

A-SERIES
400 SERIES
WINDOWS & DOORS

COASTAL PRODUCT GUIDE

FOR PROFESSIONALS



WINDOWS AND DOORS WITH
StormWATCH
PROTECTION

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ANDERSEN® COASTAL PRODUCTS

OUR TOUGHEST PROTECTION FOR WINDOWS AND DOORS.

Pretty. Yet tough. That's the promise of Andersen® A-Series windows and patio doors with Stormwatch® protection and our 400 Series windows with Stormwatch protection. Stunning aesthetics that make any project appealing and built-in protection that can stand up to Mother Nature* at her crankiest – as well as coastal building codes. A myriad of options allow you to create one-of-a-kind windows and doors to suit your most innovative designs instead of altering plans to accommodate the one-style-fits-all inventory favored by many of our competitors.

To allow our Stormwatch products to stand up to harsh coastal weather conditions, we add structural enhancements such as impact-resistant glass; high-strength silicone glazing; frame, sash and panel reinforcements; and heavy-duty hardware.

When impact-resistant glass is not needed,** Performance Grade upgrades are also available on many standard A-Series and 400 Series products. Options are presented in each product section. Ask your Andersen supplier for details.



PROTECTING PEACE OF MIND.

In addition to the protection needed to meet coastal building codes,** every Andersen product with the Stormwatch protection insignia also carries the Andersen promise of quality materials and precise construction. That's why they're all backed with our Owner-2-Owner® limited warranties, such as our 10-year limited warranty for impact-resistant glass. For complete information on our warranties, visit andersenwindows.com/warranty.

*For details, go to andersenwindows.com/warranty.
**See your local code official for building code requirements in your area.



GLASS FOR EVERY REGION. CONFIDENCE FOR EVERY PROJECT.

A-Series and 400 Series products with Stormwatch® protection allow you to order the exact glass needed to comply with virtually any coastal building code requirement.* The following glass options are available:



LOW-E4® IMPACT-RESISTANT GLASS provides all the benefits of monolithic impact-resistant glass (shown far right), while adding an insulating air space that helps keep homes cool in the summer and warm in the winter.

Available in: A-Series/400 Series



LOW-E4 SMARTSUN™ IMPACT-RESISTANT GLASS delivers the benefits of Low-E4 glass, plus it helps shield homes from the sun's heat and filters out 95% of harmful UV rays while letting the sunlight shine through.

Available in: A-Series/400 Series



LOW-E4 SUN IMPACT-RESISTANT GLASS is tinted for maximum protection from the effects of intense sunlight and provides all the benefits of Low-E4 glass.

Available in: A-Series/400 Series



MONOLITHIC IMPACT-RESISTANT GLASS is reinforced with a clear plastic laminate sandwiched between two panes to resist impact, forced entry and unwanted noise. Choose from clear or gray.

Available in: A-Series Frenchwood® patio doors/400 Series windows

*See your local code official for building code requirements in your area.

THERE IS MORE THAN ONE COAST.

YOU SHOULD HAVE A CHOICE OF COASTAL PRODUCT LINES.

With Andersen, you have a choice of two coastal product lines to fit your needs, building requirements and design expectations. No matter which you choose, both are

supported by our 100-plus years of commitment to quality, the service you expect from a leader and the reputation of the most trusted name in the industry.

A-SERIES PRODUCTS



WHY CHOOSE A-SERIES COASTAL PRODUCTS?

A-Series products with Stormwatch® protection have reinvented coastal windows and doors with exterior composite materials that stand the test of time* in coastal environments. Plus, they're arranged based on the style of home, making classic architectural styles easier to achieve.

Features of A-Series products with Stormwatch protection include:

- Warranted against corrosion for the life of the products,** without the need for washing or waxing* to keep the warranty valid
- The most energy-efficient coastal windows we've ever offered
- Hidden structural reinforcements increase performance without sacrificing aesthetics
- Available in 11 exterior colors and a wide selection of interior wood species, factory-finished interiors and exterior trim options
- Fibrex® composite materials in window frame and trim components are twice as strong as vinyl and block thermal heat transfer nearly 700 times better than aluminum
- Virtually maintenance-free exteriors hold their original vibrant colors, never need painting, and won't flake, rot, blister, peel, pit or corrode*
- Provides 24/7 protection from storms when homeowners are away, without the need for shutters or removable storm panels
- Reduced sound transmission
- Forced-entry resistant

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the A-Series Limited Warranty.

**Hardware is excluded.

For A-Series coastal products, see pages 4–128.



400 SERIES PRODUCTS

WHY CHOOSE 400 SERIES COASTAL PRODUCTS?

An excellent value for the money, these are the coastal versions of the windows that have helped make Andersen the most recognized window brand in America.

Features of 400 Series products with Stormwatch® protection include:

- Time-tested and proven on the coasts since 1966
- Available in six popular colors: White, Canvas, Sandtone, Terratone, Forest Green and Dark Bronze
- Perma-Shield® vinyl cladding resists salt spray and sea air
- Perma-Shield exterior never needs painting, repels water, resists dents, and won't peel, blister, flake or corrode*
- Classic blend of engineering and craftsmanship
- Provides 24/7 protection from storms when homeowners are away, without the need for shutters or removable storm panels**
- Reduced sound transmission
- Forced-entry resistant
- Complete compatibility with A-Series Frenchwood® patio doors



For 400 Series coastal products, see pages 138–192.

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the 400 Series with Stormwatch® protection and impact-resistant glass Limited Warranty.

**Retractable interior brackets must be engaged on 400 Series tilt-wash double-hung windows to meet structural requirements.

A photograph of a modern coastal home's exterior. The image shows a large, multi-paned window reflecting the surrounding landscape. On the deck, there is a black wicker chair with a mustard-colored cushion and a matching ottoman. A low, rustic coffee table made of driftwood sits in front of the chair. The deck is made of light-colored wooden planks. The background shows a clear blue sky and tall, thin trees.

A-SERIES

COASTAL PRODUCTS



DREAM AND DESIGN WITH COMPLETE PEACE OF MIND

Now you don't have to sacrifice design to satisfy even the toughest coastal building codes.

Designed in conjunction with leading architects, A-Series windows and doors with Stormwatch® protection feature an innovative system of options that work together seamlessly, allowing you to create virtually any architectural style with ease. Yet their beauty is more than skin deep.

A-Series coastal products are also our best-performing, most energy-efficient products and are available with the options you need to meet strict coastal building code requirements.* In fact, the materials used are so coastal ready, they don't even need to be washed or waxed to keep their warranty valid.**

With A-Series coastal products, not only is there beauty in the details, there's comfort in knowing they will last.



Colors: With 11 different colors, you can mix and match design colors on sash, frame and trim to achieve hundreds of options.

See page 10.

Interior finishes: A-Series windows and doors offer six different factory stains, two paint choices or a primed finish that lets you paint the interiors any color your customers want. **See page 12.**

*See your local code official for building code requirements in your area.

**Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the A-Series Limited Warranty.



UNEQUALED PERFORMANCE

A-SERIES PRODUCTS WITH STORMWATCH® PROTECTION

Windborne debris. Hurricane-force winds. Strict coastal building codes.* A-Series products with Stormwatch® protection offer options that can deliver the performance, low maintenance and energy efficiency you need.

OUR BEST-PERFORMING WINDOWS AND DOORS

A-Series products with Stormwatch protection feature the following ratings:**

Windows	PG70 (DP70)
Gliding Patio Doors	PG70 (DP70)
Hinged Patio Doors	PG65 (DP65)

In addition, they're designed to satisfy‡

- Large missile impact test ASTM/E1886/E1996
- Miami-Dade TAS 201, 202, 203
- AAMA/WDMA/CSA 101/I.S.2 A440-08

UP TO
PG70
PERFORMANCE

A BETTER COASTAL WARRANTY

Unlike most other windows that need to be washed or waxed regularly to keep the warranty valid, A-Series products with Stormwatch protection are warranted against corrosion for the life of the products† with no washing or waxing required.††

Additionally, our renowned **Owner-2-Owner® limited warranty** is fully transferrable and not prorated, making it one of the best coverage plans available — which means it can add resale value for your customers. It's also supported by the industry's largest service network.



WINDOWS AND DOORS WITH
StormWATCH
PROTECTION

*See your local code official for building code requirements in your area.

**Ratings vary by product line and unit size. See the performance section for specific unit performance.

For up-to-date performance values, visit andersenwindows.com.

†Hardware excluded.

††Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the A-Series Limited Warranty.

ENERGY-SAVING GLASS AND DESIGN

Our standard glass helps protect against unwanted solar heat and minimizes energy bills. Many A-Series windows and doors with Stormwatch® protection meet ENERGY STAR® criteria and can help homeowners save on heating and air conditioning every year.*

Visit andersenwindows.com/energystar for more information.



RIGOROUSLY TESTED

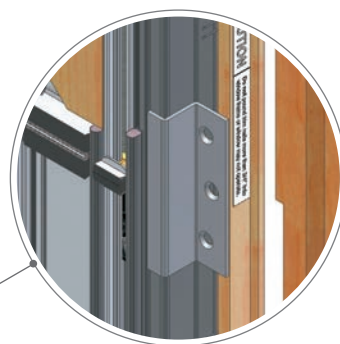
A-Series products with Stormwatch protection have withstood testing that has taken them from temperatures as cold as Alaskan winters to the heat of Death Valley summers. They've stood up to hurricane-force winds** and prolonged exposure to sea air. To see testing videos, visit andersenwindows.com/coastal.

VIRTUALLY MAINTENANCE-FREE EXTERIORS

Exteriors of A-Series windows and doors never need painting. They won't flake, rot, blister, peel, pit or corrode.†† Plus they're warranted against corrosion for the life of the products,† with no washing or waxing required.††

GET ONLY THE UPGRADES YOU NEED

Some codes don't require impact-resistant glass. For these situations, Performance Grade (PG) upgrades are available for many standard A-Series products. Options are listed in each product section. Also, see your dealer for more details.



NO EXPOSED BRACKETS

Hidden structural brackets mean no visible reinforcements are necessary to meet coastal product performance requirements and provide 24/7 protection from storms when homeowners are away.

BUILT STRONG

We use solid wood in interior door panels and window sash and frames, plus fiberglass on outer door frames and window sash exteriors, to provide an unmatched combination of strength, insulation, versatility and beauty. Additionally, our Fibrex® composite material used in window frames and trim components delivers twice the strength and rigidity of vinyl.



WATER MANAGEMENT THAT WORKS

These features work together to direct water away from buildings:

- Hermetically sealed corner keys that keep frames tight
- Sloped sill on double-hung windows
- Sill on patio doors channels water away from the home
- Innovative trim attachment flange secures trim independent of the window or door's water management system

SEALS OUT THE WEATHER

Weather-resistant seals stand up to eight inches of rain per hour and hurricane-force winds**. Double-hung windows feature a dual-bulb seal, and casement windows use refrigerator-type gaskets to help keep air and water out.

*Visit andersenwindows.com/energystar to verify that the product and glass meet ENERGY STAR® requirements in your area.

**Tested to AAMA/WDMA/CSA 101/I.S.2/A440-08 PG70.

†Hardware excluded.

††Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the A-Series Limited Warranty.



UNCOMMON PRECISION

COMMON SIZE GRID

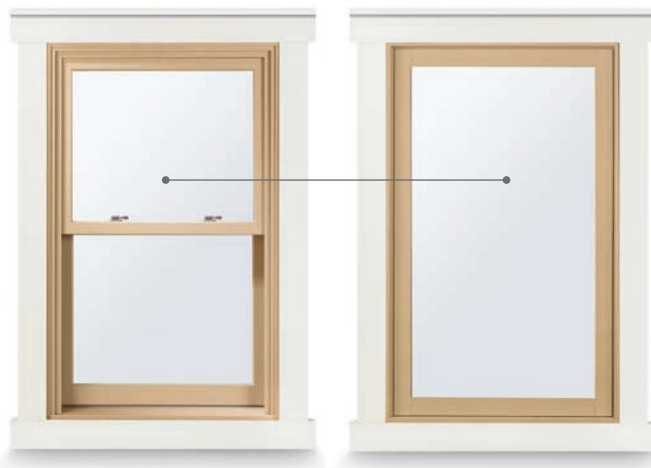
Common sizes in four-inch increments are based on the rough opening to simplify framing and specifying. Even-inch sizes eliminate fractions and reduce jobsite errors. A $\frac{3}{4}$ -inch (19) gap horizontally and vertically leaves room for shims, insulation and sill flashing.

CUSTOM SIZING

All Andersen® A-Series windows and doors can be ordered in $\frac{1}{8}$ -inch (3) increments, providing flexibility for replacement, remodeling, new construction or light commercial projects.

COMMON GLASS SETBACK

A common glass setback on A-Series windows and patio doors delivers noticeably clean shadow lines both inside and out.



The top halves of double-hung windows align perfectly with casement windows, awning windows, picture windows, patio doors and transoms.

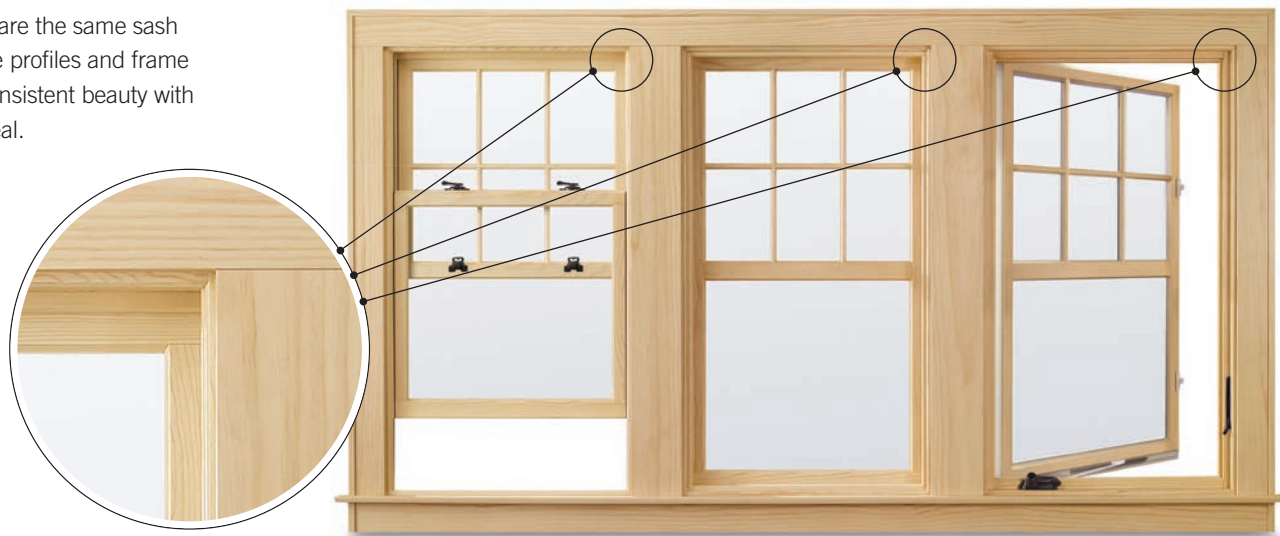
Dimensions in parentheses are in millimeters.

COMPLETE ALIGNMENT

Common sight lines allow you to specify any combination of window styles and still have them match and align perfectly.



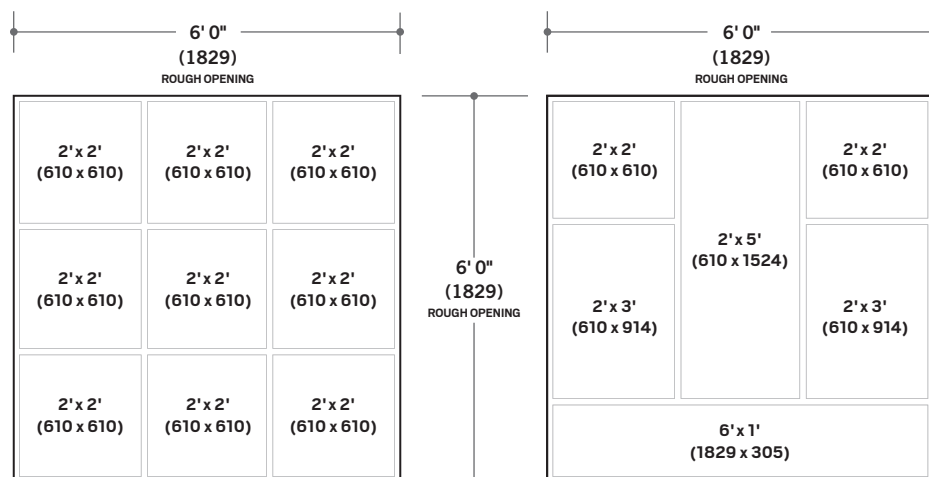
Windows share the same sash design, grille profiles and frame depth for consistent beauty with classic appeal.



EASY MATH

The A-Series window and door system simplifies selection and installation of multiple windows within a single rough opening. $\frac{3}{4}$ -inch (19) horizontal and vertical joints keep sizing consistent no matter how many or what size windows you combine.

The spacing in these illustrations is exaggerated for demonstration purposes.



Dimensions in parentheses are in millimeters.



EXTERIOR OPTIONS TO MATCH ANY STYLE

A-Series products with Stormwatch® protection are available in a wide range of exterior colors and exterior trim choices. Even in the harshest of coastal conditions, they're virtually maintenance-free, hold their original vibrant colors, never need painting, and won't flake, rot, blister, peel, pit or corrode.*

- Trim is available to complement a wide range of architectural styles
- Trim can be ordered as preassembled surrounds, in precut kits or as individual components
- Innovative trim attachment flange on A-Series windows allows preassembled exterior trim surrounds to be installed in seconds
- Installed independent of the window or door's water management system

EXTERIOR COLOR OPTIONS



Select any combination of the colors shown here for your exterior frame, sash or panel, and trim.

*See the A-Series Limited Warranty for exterior trim applied to A-Series products. Visit andersenwindows.com/warranty or contact your Andersen supplier.

Printing limitations prevent exact color duplication. See your Andersen supplier for actual color samples.

EXTERIOR TRIM THAT FITS WINDOWS, PATIO DOORS AND YOUR VISION

Exterior trim adds a finishing touch to your windows or doors and is often essential in achieving authentic architectural style. You can match the color of your windows or doors, or complement them with a different color. Durable A-Series exterior trim is low-maintenance and never needs painting.



Flat exterior trim with cornice head, color: White

Frame exterior color: Cocoa Bean

Sash exterior color: Cocoa Bean

EXTERIOR TRIM OPTIONS



2" (51) Brick Mould
in Canvas color



3 1/2" (89) or 4 1/2" (114) Flat
in Terratone color



3 1/2" (89) or 4 1/2" (114) Flat with extended top
in Red Rock color



3 1/2" (89) or 4 1/2" (114) Flat with decorative drip cap
in Forest Green color



3 1/2" (89) or 4 1/2" (114) Flat with 2" (51) cornice top
in Prairie Grass color



3 1/2" (89) or 4 1/2" (114) Flat with 3 5/8" (92) cornice top
in White color

EXTERIOR TRIM SILL OPTIONS



2" (51) Brick Mould with extended sill nose
in Terratone color



3 1/2" (89) or 4 1/2" (114) Flat
in Sandtone color



3 1/2" (89) or 4 1/2" (114) Flat with extended sill
in White color



3 1/2" (89) or 4 1/2" (114) Flat with extended sill nose
in Prairie Grass color

Dimensions in parentheses are in millimeters.
Printing limitations prevent exact color duplication.
See your Andersen supplier for actual color samples.

INTERIOR OPTIONS TO MATCH ANY VISION

Six natural wood species. Three painted interior choices. Six rich, factory-finished stain options. Plus exclusive Andersen® hardware that adds functional beauty to any home. With A-Series products, you have the flexibility you need to create interiors that please both you and your customers.

INTERIOR WOOD SPECIES OPTIONS



Pine



Maple



Oak



Cherry
(Unfinished only)



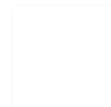
Mahogany*
(Unfinished only)



Vertical Grain
Douglas Fir
(Unfinished only)



White



Birch Bark



Primed

STAINED INTERIOR OPTIONS

SHOWN IN MAPLE. AVAILABLE WITH PINE, MAPLE AND OAK ONLY.



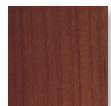
Clear Coat



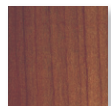
Honey



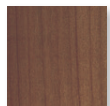
Cinnamon



Russet



Mocha



Espresso

*Actual wood is Sapele, a non-endangered species of mahogany grown in Africa, with color and characteristics similar to American mahoganies.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind. All wood interiors are unfinished unless a finish is specified.

Printing limitations prevent exact finish replication. Please see your Andersen supplier for actual color and finish samples.



FUNCTIONAL BEAUTY: WINDOW HARDWARE

The hardware for our A-Series coastal windows is created exclusively for Andersen and is made of forged metal for added strength. A range of available finishes makes it easy for customers to coordinate their window hardware with their cabinet hardware, faucets and other room décor.



The tilt-in feature of the A-Series double-hung windows allows one-hand operation for easier cleaning.

DOUBLE-HUNG HARDWARE

TRADITIONAL

Lock & Keeper



Hand Lift



Bar Lift



Finger Lift



Bold name denotes finish shown.

Antique Brass
Black
Bright Brass
Brushed Chrome
Distressed Nickel
Gold Dust

Polished Chrome
Satin Nickel
Stone
White

CASEMENT AND AWNING HARDWARE

TRADITIONAL FOLDING



Bold name denotes finish shown.

Antique Brass
Black
Bright Brass
Brushed Chrome
Distressed Nickel
Gold Dust
Polished Chrome
Satin Nickel
Stone
White

CONTEMPORARY FOLDING



Casement hardware folds in to avoid interfering with window treatments.

Black
Bright Brass
Gold Dust
Satin Nickel
Stone
White



Casement locking mechanism

WINDOW HARDWARE FINISH OPTIONS



Antique Brass



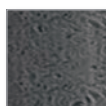
Black



Bright Brass



Brushed Chrome



Distressed Nickel



Gold Dust



Polished Chrome



Satin Nickel



Stone



White

Oil Rubbed Bronze and Distressed Bronze window hardware finishes not available at this time. Printing limitations prevent exact finish replication. See your Andersen supplier for actual finish samples.

FUNCTIONAL BEAUTY: DOOR HARDWARE

Gliding




Hinged

YUMA®

Distressed Bronze
Distressed Nickel

Gliding




Hinged

ENCINO®

Distressed Bronze
Distressed Nickel

Gliding




Hinged

ANVERS®

Bright Brass
Oil Rubbed Bronze
Satin Nickel

Gliding




Hinged

NEWBURY®

Antique Brass
Bright Brass
Brushed Chrome
Oil Rubbed Bronze
Polished Chrome
Satin Nickel

Bold name denotes finish shown.

HARDWARE FOR EVERY DOOR. STYLES FOR EVERY PERSON.

A-Series coastal patio door hardware is available in eight different variations to match virtually any style. Yuma,® Encino,® Anvers,® Newbury,® Covington™ and Whitmore® hardware options each feature solid, forged brass for added

strength, while Albany and Tribeca® hardware options are made of diecast zinc with durable powder-coated finishes. Additional hardware options such as exterior keyed locks, matching hinge finishes and more are also available.

Printing limitations prevent exact finish replication. Please see your Andersen supplier for actual finish samples.

Yuma® hinged door hardware in Distressed Nickel finish.

**COVINGTON™**

Antique Brass
Bright Brass
 Oil Rubbed Bronze

WHITMORE®

Antique Brass
 Bright Brass
 Oil Rubbed Bronze
 Satin Nickel

ALBANY

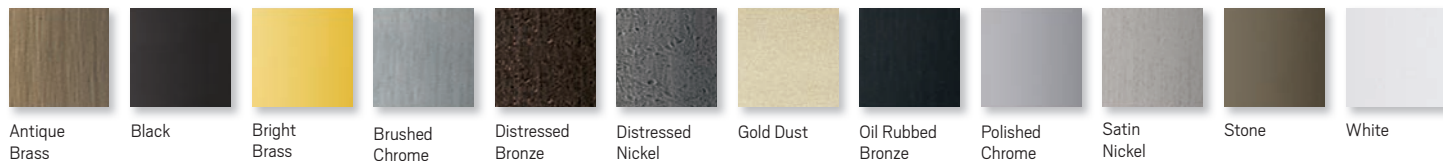
Black
Gold Dust
 Stone
 White

TRIBECA®

Stone
White

*Bold name denotes
 finish shown.*

DOOR HARDWARE FINISH OPTIONS



Antique Brass

Black

Bright Brass

Brushed Chrome

Distressed Bronze

Distressed Nickel

Gold Dust

Oil Rubbed Bronze

Polished Chrome

Satin Nickel

Stone

White

Distressed Bronze and Oil Rubbed Bronze are "living" finishes that will change with time and use. Printing limitations prevent exact finish replication. Please see your Andersen supplier for actual finish samples.

BEST-IN-CLASS GLASS



A-Series products with Stormwatch® protection come standard with Low-E4® laminated glass. We also offer a graduated combination of upgrades that allow you to order the exact glass you need to comply with virtually any coastal building code

requirement.* Many A-Series windows and doors meet ENERGY STAR® Version 5.0 criteria in all 50 states. Visit andersenwindows.com/energystar to verify that your product and glass selections meet ENERGY STAR® criteria in your area.



LOW-E4® IMPACT-RESISTANT GLASS provides all the benefits of monolithic impact-resistant glass (shown far right), while adding an insulating air space that helps keep homes cool in the summer and warm in the winter.



LOW-E4 SMARTSUN™ IMPACT-RESISTANT GLASS delivers the benefits of Low-E4® glass, plus it helps shield homes from the sun's heat and filters out 95% of harmful UV rays while letting the sunlight shine through.



LOW-E4 SUN IMPACT-RESISTANT GLASS is tinted for maximum protection from the effects of intense sunlight and provides all the benefits of Low-E4 glass.



MONOLITHIC IMPACT-RESISTANT GLASS for patio doors is reinforced with a clear plastic laminate sandwiched between two panes to resist impact, forced entry and unwanted noise. Choose from clear or gray. **Not available on A-Series windows.**

Non-impact-resistant glass options are also available for A-Series patio doors with Performance Grade (PG) upgrades. Visit andersenwindows.com or see your Andersen supplier.

PERFORMANCE COMPARISON OF ANDERSEN® IMPACT-RESISTANT GLASS OPTIONS

GLASS	ENERGY		LIGHT	
	U-FACTOR	SOLAR HEAT GAIN COEFFICIENT	VISIBLE LIGHT TRANSMITTANCE	UV PROTECTION
	How well a product prevents heat from escaping.	How well a product blocks heat caused by sunlight.	How much visible light comes through a product.	How well a product blocks ultraviolet rays.
SmartSun™ Our best overall thermal performance.	● ● ● ○	● ● ● ●	● ● ● ○	● ● ● ●
Low-E4® Outstanding overall thermal performance for climates where both heating and cooling costs are a concern.	● ● ● ○	● ● ● ○	● ● ● ○	● ● ● ○
Sun** Outstanding thermal performance in southern climates where less solar heat gain is desired.	● ● ● ○	● ● ● ●	● ○ ○ ○	● ● ● ○
Clear Monolithic† Clear plastic laminate between two panes to resist impact, forced entry, sun damage and unwanted noise.	○ ○ ○ ○	○ ○ ○ ○	● ● ● ●	● ● ○ ○
Gray Monolithic**† All the benefits of Clear Monolithic glass but tinted to further block heat caused by sunlight.	○ ○ ○ ○	● ○ ○ ○	● ● ○ ○	● ● ● ○



TIME-SAVING TRANSLUCENT FILM

We help protect all of our products during delivery and construction with a translucent film on the glass. It also minimizes time spent masking on the jobsite, then peels away for a virtually spotless window. For details, contact your Andersen supplier.

*See your local code official for building code requirements in your area.

**Low-E4® Sun impact-resistant glass and Gray Monolithic impact-resistant glass each satisfy Florida Turtle Code.

†Clear Monolithic and Gray Monolithic are available in A-Series Frenchwood® patio doors only.

Chart data based on casement windows without grilles.

OUR INSECT SCREENS COME IN DIFFERENT TYPES. JUST LIKE INSECTS DO.

Optional insect screens are available for all A-Series products. Patio doors feature Andersen® fiberglass insect screens. For windows, choose aluminum insect screens or TruScene® insect screens for a more unobstructed view.

TRUSCENE® INSECT SCREENS

Made with a micro-fine stainless steel mesh, exclusive Andersen TruScene insect screens provide more than 50% greater clarity than our conventional insect screens. And they let in more fresh air and sunlight, while doing a better job of keeping out small insects. Exterior TruScene insect screen frames are available in all standard colors. Interior insect screens are available with prefinished wood frames.

TruScene insect screens are not available on patio doors.
All comparisons are made to Andersen aluminum insect screens.



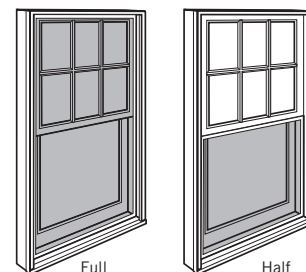
PREFINISHED WOOD FRAME OPTIONS

Casement and awning frames of TruScene insect screens are available in six wood veneers and six stain colors to match the interior finish. Pine frame with clear finish is shown.



WINDOW CONFIGURATIONS

Full insect screens are available for all operating A-Series coastal windows. Our double-hung windows also have the option of insect screens that cover only the lower sash.



FRAME OPTIONS FOR ALUMINUM INSECT SCREENS

For casement and awning windows, aluminum insect screen frames are available in Stone, White or Gold Dust. Insect screen frames for all other windows are installed on the exterior of the window and match the unit's exterior color.



Stone



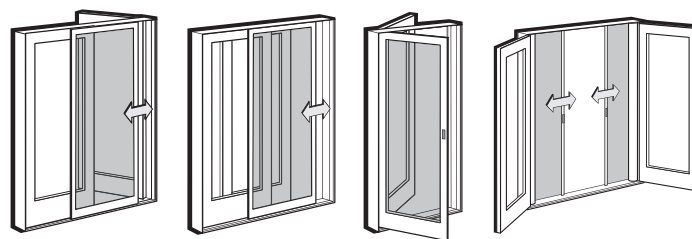
White



Gold Dust

PATIO DOOR INSECT SCREEN CONFIGURATIONS

A-Series patio door insect screens are available in several styles, including a new top-hung gliding design for gliding and hinged doors.



Top-Hung Gliding shown on inswing door. Also available for two- and four-panel gliding doors.

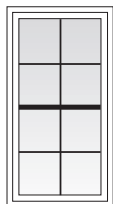
Gliding shown on gliding door. Also available for four-panel gliding and two-panel inswing doors.

Hinged shown on inswing door. Also available for two-panel inswing doors.

Retractable shown on outswinging door. Also available for single-panel door. Retractable also available for gliding doors.

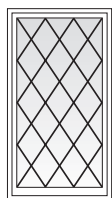
A-SERIES GRILLES FOR EVERY HOME

Andersen® A-Series windows and doors with Stormwatch® protection offer a variety of architecturally authentic grille types and standard grille patterns. We'll also work with you to provide your customers with custom grille designs for a signature look.

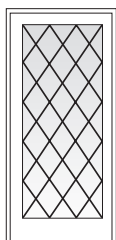


Simulated
Double-Hung

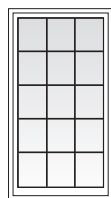
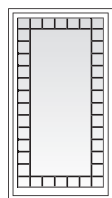
Our 2 1/4" (57) grille can make a casement window look like a double-hung window.



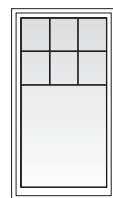
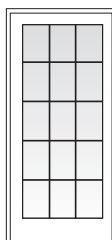
Diamond



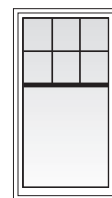
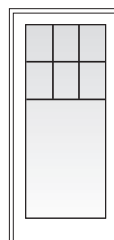
Queen Anne



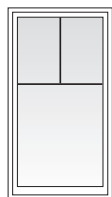
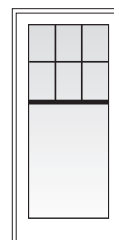
Colonial



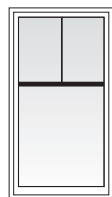
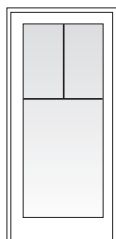
Modified Colonial



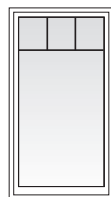
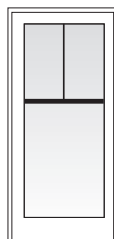
Modified Colonial
with 2 1/4\"/>



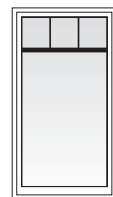
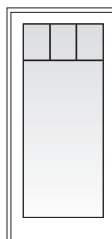
Tall Fractional



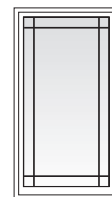
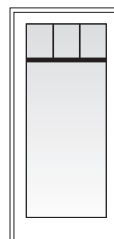
Tall Fractional
with 2 1/4\"/>



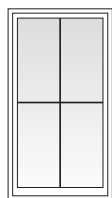
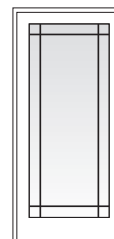
Short Fractional



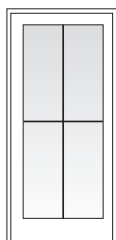
Short Fractional
with 2 1/4\"/>



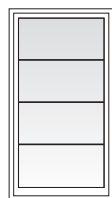
Prairie



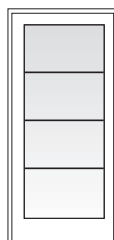
2x2



2x2

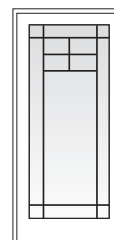
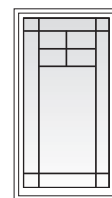
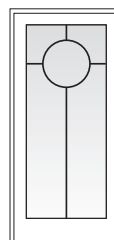
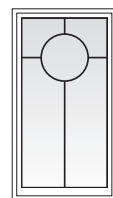
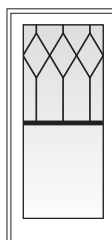
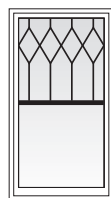


1x4



1x4

Specified
Equal Light**



Custom Patterns

*Horizontal rails are also available in 7/8" (22) and 1 1/4" (32) custom widths.

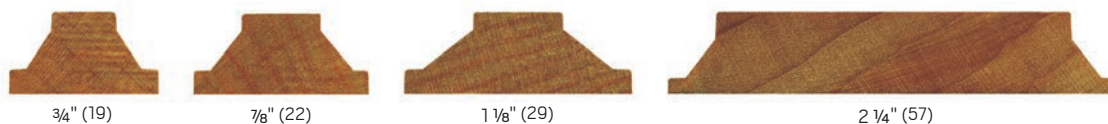
**Specify number of same-size rectangles across or down. Some restrictions may apply.

Dimensions in parentheses are in millimeters.

Some grille patterns not available in all configurations and products.

GRILLE WIDTHS (ACTUAL SIZE SHOWN)

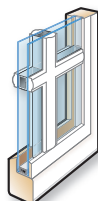
Shown: Cross sections of grilles showing standard widths and profiles.



GRILLE CONFIGURATIONS

FULL DIVIDED LIGHT

Give any window an authentic look with full divided light grilles that are permanently applied to the interior and exterior of your window with a spacer between the glass.



Permanent Exterior
Permanent Interior with Spacer

SIMULATED DIVIDED LIGHT

Simulated divided light offers permanent grilles on the exterior and interior with no spacer between the glass. We also offer permanent exterior grilles with removable interior grilles, available in natural wood or prefinished white.



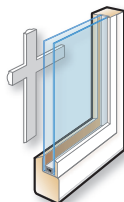
Permanent Exterior
Removable Interior



Permanent Exterior
Permanent Interior

CONVENIENT CLEANING OPTIONS

Removable interior grilles come off for easy cleaning. Andersen® Finelight™ grilles are installed between the glass panes and feature a contoured $\frac{3}{4}"$ (19) profile.



Removable
Interior Grille

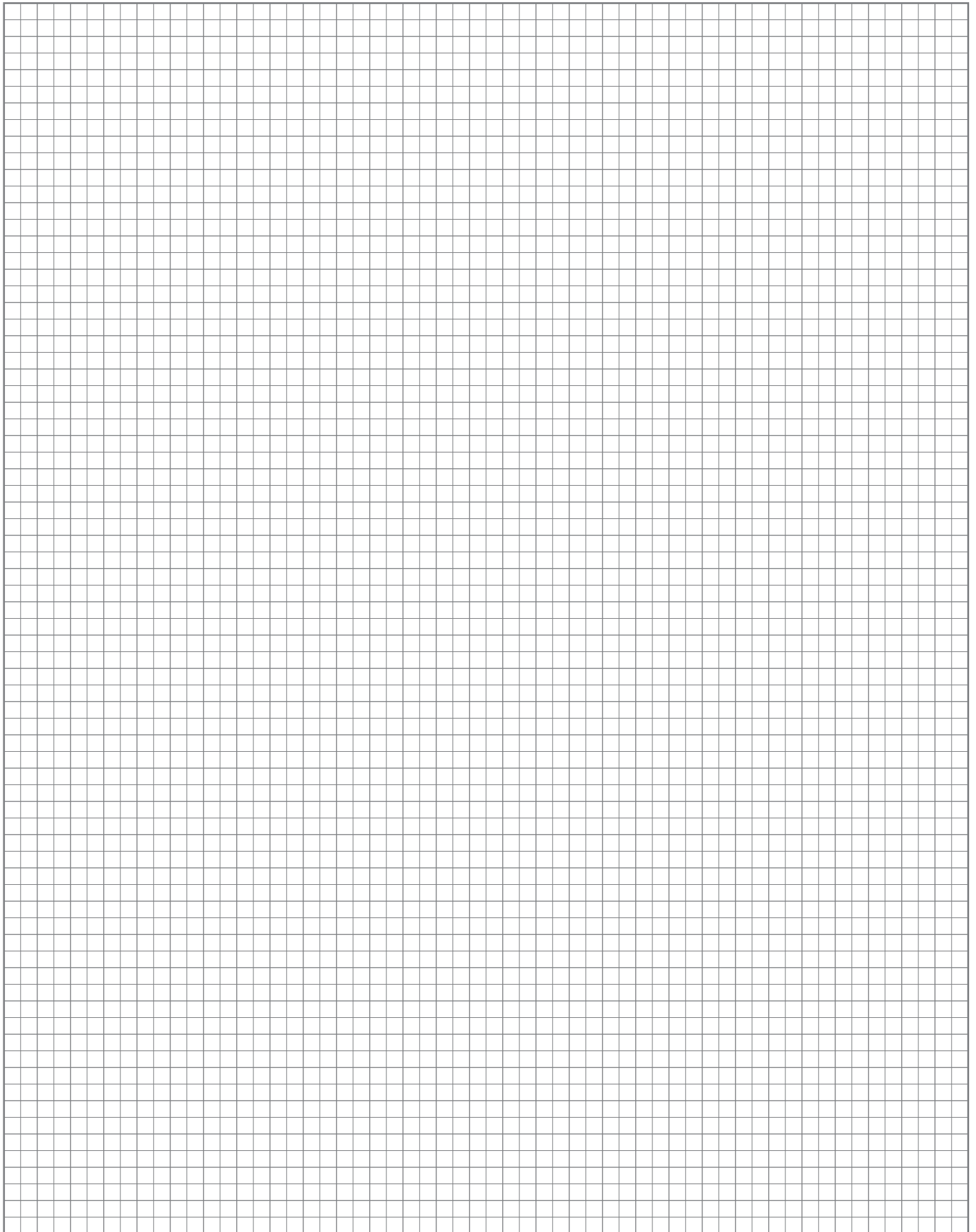


Finelight Grilles-
Between-the-Glass*



* $\frac{7}{8}"$ (22), $1 \frac{1}{8}"$ (29) and $2 \frac{1}{4}"$ (57) not available in Finelight Grilles-Between-the-Glass. Dimensions in parentheses are in millimeters.

NOTES



WINDOWS

CUSTOM SIZING!
 in 1/8" (3) increments



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Dimensions in parentheses are in millimeters.

FEATURES

CASEMENT & AWNING

Frame

A Frame constructed with a wood core and a Fibrex® composite exterior material. This construction produces a rigid frame and a low-maintenance durable exterior.

Factory-applied installation clips are standard for anchoring to the building. See page 23 for details.

B Wood members are treated with a water-repellent preservative for long-lasting* protection and performance.

C The weatherstripping system combines an exterior watershed design and a foam weatherstrip seal between the sash and frame, providing a long-lasting* energy-efficient barrier against wind, water and dust.

D A factory-applied rigid vinyl flange helps seal the unit to the structure. Available in a standard design or in a trim flange design. The trim flange allows for Andersen® exterior trim surrounds to be applied in seconds after window installation.

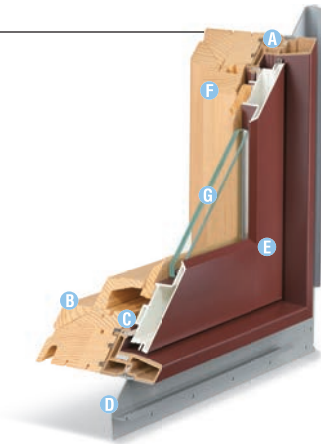
Sash

E Fiberglass construction provides durable, strong and long-lasting* performance. Finished with a Flexacron® paint system. This stabilized polyester paint is electrostatically applied for maximum protection and a lustrous, low-maintenance finish.

Traditional architectural style:

- Classic chamfer detailing
- The look of mortise-and-tenon joinery
- Tall bottom rail on casement window aligns with double-hung and picture windows for common sight lines

F Natural wood interiors are treated with a water-repellent preservative for long-lasting* protection and performance. Interior stops are fastened using a nailless compression fit system so there are no nail holes to fill. Stops are available prefinished.



G Glass

See page 23 for details.

Hardware

Smooth operation provided by a worm gear drive design makes opening and closing almost effortless regardless of unit size. Also available with an optional split-arm operator that moves the sash away from the frame for easier glass cleaning (not available on all sizes).



Single-action lock easily releases all locking points on casement sash while the reach-out action eliminates binding when closing. The lock handle is offered in finishes that coordinate with your specified hardware style.

Awning windows feature dual sash locks. Hardware style and finish options are compatible with Andersen casement windows to ensure consistency in appearance when used in combination designs.

DOUBLE-HUNG

Frame

A Frame constructed with a wood core and a Fibrex composite exterior material. This construction produces a rigid frame and a low-maintenance durable exterior.

Factory-applied installation clips are standard for anchoring to the building. See page 23 for details.

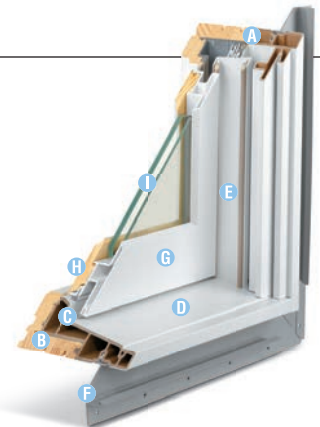
B Wood members are treated with a water-repellent preservative for long-lasting* protection and performance.

C The dual weatherstripping system utilizes a double foam-filled design that creates a pressure equalization chamber, knocking down driving rain and delivering a long-lasting* energy-efficient barrier against wind, water and dust.

D Traditional sloped sill design.

E For units with White exterior, exterior jamb liner is White. For all other exterior colors, the exterior jamb liner is Sandtone.

F A factory-applied rigid vinyl flange helps seal the unit to the structure. Available in a standard design or in a trim flange design. The trim flange allows for Andersen exterior trim surrounds to be applied in seconds after window installation.



H Natural wood interiors are treated with a water-repellent preservative for long-lasting protection and performance.

Sash Options



Cottage Style



Reverse Cottage Style

I Glass

See page 23 for details.

Hardware



Dual locks with traditional spoon and keeper lock design have an easy *Tilt to Clean* feature integrated into the lock.

Sash

G Fiberglass construction provides durable, strong and long-lasting* performance. Finished with a Flexacron paint system. This stabilized polyester paint is electrostatically applied for maximum protection and a lustrous, low-maintenance finish.

Traditional architectural style:

- Classic chamfer detailing
- The look of mortise-and-tenon joinery
- Tall bottom rail on double-hung window aligns with casement and picture windows for common sight lines

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the A-Series Limited Warranty.

Dimensions in parentheses are in millimeters.

"Flexacron" is a registered trademark of PPG Industries, Inc.

PICTURE WINDOWS

Frame

Frame constructed with a wood core and fiberglass exterior. This construction produces a rigid frame and a low-maintenance durable exterior.

Factory-applied installation clips are standard for anchoring to the building. See below for details.

Wood members are treated with a water-repellent preservative for long-lasting* protection and performance.

A factory-applied rigid vinyl flange helps seal the unit to the structure. Available in a standard design or in a trim flange design. The trim flange allows for Andersen® exterior trim surrounds to be applied in seconds after window installation.

Sash

Fiberglass construction provides durable, strong and long-lasting* performance. Finished with a Flexacron® paint system. This stabilized polyester paint is electrostatically applied for maximum protection and a lustrous, low-maintenance finish.

Traditional architectural style:

- Classic chamfer detailing
- The look of mortise-and-tenon joinery
- Tall bottom rail on picture window aligns with casement and double-hung windows for common sight lines

Natural wood interiors are treated with a water-repellent preservative for long-lasting* protection and performance.

Glass

See below for details.

VENTING & STATIONARY TRANSOMS

Frame

Frame constructed with a wood core and a Fibrex® composite exterior material. This construction produces a rigid frame and a low-maintenance, durable exterior.

Factory-applied installation clips are standard for anchoring to the building. See below for details.

Wood members are treated with a water-repellent preservative for long-lasting* protection and performance.

The weatherstripping system combines an exterior watershed design and a foam weatherstrip seal between the sash and frame, providing a long-lasting* energy-efficient barrier against wind, water and dust.

A factory-applied rigid vinyl flange helps seal the unit to the structure. Available in a standard design or in a trim flange design. The trim flange allows for Andersen exterior trim surrounds to be applied in seconds after window installation.

Sash

Fiberglass construction provides durable, strong and long-lasting* performance. Finished with a Flexacron paint system. This stabilized polyester paint is electrostatically applied for maximum protection and a lustrous, low-maintenance finish.

Traditional architectural style:

- Classic chamfer detailing
- The look of mortise-and-tenon joinery

Natural wood interiors are treated with a water-repellent preservative for long-lasting* protection and performance.

Glass

See below for details.

Hardware

Smooth operation provided by a worm gear drive design makes opening and closing almost effortless regardless of unit size.

Venting transoms feature dual sash locks. Hardware style and finish options are compatible with Andersen casement windows to ensure consistency in appearance when used in combination designs.

COMMON FEATURES

Glass

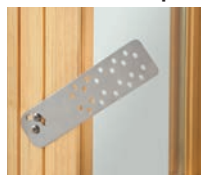
¾" (19) impact-resistant glass construction provides exceptional energy performance, sound control and added security.

A removable translucent film helps shield the glass from damage during delivery and construction and simplifies finishing at the jobsite.

High-performance impact-resistant glass options include:

- Low-E4® impact-resistant glass
- Low-E4 SmartSun™ impact-resistant glass
- Low-E4 Sun impact-resistant glass
- Low-E4 tempered impact-resistant glass options available

Installation Clip



Mounted around the perimeter of the unit, factory-applied installation clips rotate into position and can be bent into place against the framing members to suit all jamb conditions.

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the A-Series Limited Warranty.

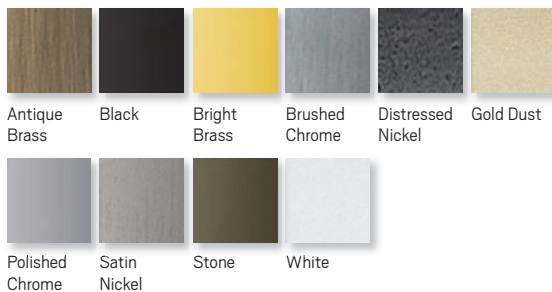
Dimensions in parentheses are in millimeters.

"Flexacron" is a registered trademark of PPG Industries, Inc.

EXTERIOR



HARDWARE FINISHES



DOUBLE-HUNG HARDWARE

TRADITIONAL



Antique Brass | Black | Bright Brass
Brushed Chrome | Distressed Nickel | Gold Dust
Polished Chrome | **Satin Nickel** | Stone | White

Bold name denotes finish shown.

ACCESSORIES

Frame

Extension Jamb

Extension jambs are available in six wood species, precut to fit your unit. Available in 1/16" (1.5) increments up to 7 1/8" (181) and can be prefinished to match the interior finish of the unit. This option is also available factory applied.

Stools for Double-Hung Windows

Available in six wood species, and all prefinished options. Stools are available in 4 1/16" (116), 5 1/4" (133), 6 3/16" (167) and 7 1/8" (181) depths.

Grilles

Grilles are available in a variety of configurations and widths. For window grille patterns see pages 27, 28, 32, 41 and 48.

Exterior Trim

This product is available with Andersen® Exterior Trim. See pages 129–136 for details.

Hardware

Corrosion-Resistant Hinges, Screws and Operators

Casement, awning and venting transoms give you the option of austenitic stainless steel components and are recommended for applications within two miles of the coast and for other harsh environments.

Opening Control Device

A Window Opening Control Device is available for most A-Series venting windows, which limits opening the sash to less than 4" (102) when the window is first opened.

INTERIOR

INTERIOR WOOD SPECIES



PAINTED INTERIORS



FACTORY-FINISHED INTERIORS



Naturally occurring variations in grain, color and texture of wood make each window one of a kind. All wood interiors are unfinished unless a finish is specified.

CASEMENT, AWNING & VENTING TRANSOM HARDWARE

CONTEMPORARY FOLDING



Black | Bright Brass
Gold Dust | Satin Nickel
Stone | White

TRADITIONAL FOLDING



Antique Brass | Black | Bright Brass
Brushed Chrome | Distressed Nickel | Gold Dust
Polished Chrome | Satin Nickel | Stone | White

Folding handle avoids interference with window decorating treatments.
Bold name denotes finish shown.

A Vent Limiter is available for most A-Series venting windows, which prevents opening the sash more than 4" (102).

Insect Screens

Full or Half Window Insect Screens

Full insect screens are available for all venting windows. Andersen also offers the option of half insect screens for the lower sash of our double-hung windows.



Conventional Insect Screens

Aluminum insect screens are available with frames finished in White, Stone or Gold Dust for casement, awning and venting transom windows. Insect screens for double-hung windows match the window's exterior.

TruScene® Insect Screens

Exclusive Andersen® TruScene® insect screens provide 50% more clarity than our conventional insect screens for a beautiful, unobstructed view. And they allow more fresh air and sunlight, while doing a better job of keeping out small insects. For casement, awning and venting transom windows, TruScene insect screen frames are available in White, Stone or Gold Dust as well as six wood veneers and six stain colors to match the interior finish. Insect screens for double-hung windows are installed on the exterior of the window and match the unit's exterior color.

*Actual wood is Sapele, a non-endangered species of mahogany grown in Africa, with color and characteristics similar to American mahoganies.

Dimensions in parentheses are in millimeters.

Printing limitations prevent exact duplication of colors and finishes. See your Andersen supplier for actual color and finish samples.

Table of Casement Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-7 1/4" (794)	2'-9 1/4" (845)	2'-11 1/4" (895)
Minimum Rough Opening	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-6" (762)	2'-8" (813)	2'-10" (864)	3'-0" (914)
Unobstructed Glass	12 5/8" (321)	16 5/8" (422)	20 5/8" (524)	22 5/8" (575)	24 5/8" (625)	26 5/8" (676)	28 5/8" (727)

CUSTOM WIDTHS — Vary based on height. See page 52.

CUSTOM HEIGHTS — Vary based on width. See page 52.

2'-7 1/4" (794)	2'-8" (813)	2'-9 1/4" (845)	2'-10" (864)	2'-11 1/4" (895)	2'-12 1/4" (914)	2'-13 1/4" (933)	2'-14 1/4" (952)	2'-15 1/4" (971)	2'-16 1/4" (990)	2'-17 1/4" (1009)	2'-18 1/4" (1028)	2'-19 1/4" (1047)	2'-20 1/4" (1066)	2'-21 1/4" (1085)	2'-22 1/4" (1104)	2'-23 1/4" (1123)	2'-24 1/4" (1142)	2'-25 1/4" (1161)	2'-26 1/4" (1180)	2'-27 1/4" (1199)	2'-28 1/4" (1218)	2'-29 1/4" (1237)	2'-30 1/4" (1256)	2'-31 1/4" (1275)	2'-32 1/4" (1294)	2'-33 1/4" (1313)	2'-34 1/4" (1332)	2'-35 1/4" (1351)	2'-36 1/4" (1370)	2'-37 1/4" (1389)	2'-38 1/4" (1408)	2'-39 1/4" (1427)	2'-40 1/4" (1446)	2'-41 1/4" (1465)	2'-42 1/4" (1484)	2'-43 1/4" (1503)	2'-44 1/4" (1522)	2'-45 1/4" (1541)	2'-46 1/4" (1560)	2'-47 1/4" (1579)	2'-48 1/4" (1598)	2'-49 1/4" (1617)	2'-50 1/4" (1636)	2'-51 1/4" (1655)	2'-52 1/4" (1674)	2'-53 1/4" (1693)	2'-54 1/4" (1712)	2'-55 1/4" (1731)	2'-56 1/4" (1750)	2'-57 1/4" (1769)	2'-58 1/4" (1788)	2'-59 1/4" (1807)	2'-60 1/4" (1826)	2'-61 1/4" (1845)	2'-62 1/4" (1864)	2'-63 1/4" (1883)	2'-64 1/4" (1902)	2'-65 1/4" (1921)	2'-66 1/4" (1940)	2'-67 1/4" (1959)	2'-68 1/4" (1978)	2'-69 1/4" (1997)	2'-70 1/4" (2016)	2'-71 1/4" (2035)	2'-72 1/4" (2054)	2'-73 1/4" (2073)	2'-74 1/4" (2092)	2'-75 1/4" (2111)	2'-76 1/4" (2130)	2'-77 1/4" (2149)	2'-78 1/4" (2168)	2'-79 1/4" (2187)	2'-80 1/4" (2206)	2'-81 1/4" (2225)	2'-82 1/4" (2244)	2'-83 1/4" (2263)	2'-84 1/4" (2282)	2'-85 1/4" (2301)	2'-86 1/4" (2320)	2'-87 1/4" (2339)	2'-88 1/4" (2358)	2'-89 1/4" (2377)	2'-90 1/4" (2396)	2'-91 1/4" (2415)	2'-92 1/4" (2434)	2'-93 1/4" (2453)	2'-94 1/4" (2472)	2'-95 1/4" (2491)	2'-96 1/4" (2510)	2'-97 1/4" (2529)	2'-98 1/4" (2548)	2'-99 1/4" (2567)	2'-100 1/4" (2586)	2'-101 1/4" (2605)	2'-102 1/4" (2624)	2'-103 1/4" (2643)	2'-104 1/4" (2662)	2'-105 1/4" (2681)	2'-106 1/4" (2700)	2'-107 1/4" (2719)	2'-108 1/4" (2738)	2'-109 1/4" (2757)	2'-110 1/4" (2776)	2'-111 1/4" (2795)	2'-112 1/4" (2814)	2'-113 1/4" (2833)	2'-114 1/4" (2852)	2'-115 1/4" (2871)	2'-116 1/4" (2890)	2'-117 1/4" (2909)	2'-118 1/4" (2928)	2'-119 1/4" (2947)	2'-120 1/4" (2966)	2'-121 1/4" (2985)	2'-122 1/4" (3004)	2'-123 1/4" (3023)	2'-124 1/4" (3042)	2'-125 1/4" (3061)	2'-126 1/4" (3080)	2'-127 1/4" (3099)	2'-128 1/4" (3118)	2'-129 1/4" (3137)	2'-130 1/4" (3156)	2'-131 1/4" (3175)	2'-132 1/4" (3194)	2'-133 1/4" (3213)	2'-134 1/4" (3232)	2'-135 1/4" (3251)	2'-136 1/4" (3270)	2'-137 1/4" (3289)	2'-138 1/4" (3308)	2'-139 1/4" (3327)	2'-140 1/4" (3346)	2'-141 1/4" (3365)	2'-142 1/4" (3384)	2'-143 1/4" (3403)	2'-144 1/4" (3422)	2'-145 1/4" (3441)	2'-146 1/4" (3460)	2'-147 1/4" (3479)	2'-148 1/4" (3498)	2'-149 1/4" (3517)	2'-150 1/4" (3536)	2'-151 1/4" (3555)	2'-152 1/4" (3574)	2'-153 1/4" (3593)	2'-154 1/4" (3612)	2'-155 1/4" (3631)	2'-156 1/4" (3650)	2'-157 1/4" (3669)	2'-158 1/4" (3688)	2'-159 1/4" (3707)	2'-160 1/4" (3726)	2'-161 1/4" (3745)	2'-162 1/4" (3764)	2'-163 1/4" (3783)	2'-164 1/4" (3802)	2'-165 1/4" (3821)	2'-166 1/4" (3840)	2'-167 1/4" (3859)	2'-168 1/4" (3878)	2'-169 1/4" (3897)	2'-170 1/4" (3916)	2'-171 1/4" (3935)	2'-172 1/4" (3954)	2'-173 1/4" (3973)	2'-174 1/4" (3992)	2'-175 1/4" (4011)	2'-176 1/4" (4030)	2'-177 1/4" (4049)	2'-178 1/4" (4068)	2'-179 1/4" (4087)	2'-180 1/4" (4106)	2'-181 1/4" (4125)	2'-182 1/4" (4144)	2'-183 1/4" (4163)	2'-184 1/4" (4182)	2'-185 1/4" (4201)	2'-186 1/4" (4220)	2'-187 1/4" (4239)	2'-188 1/4" (4258)	2'-189 1/4" (4277)	2'-190 1/4" (4296)	2'-191 1/4" (4315)	2'-192 1/4" (4334)	2'-193 1/4" (4353)	2'-194 1/4" (4372)	2'-195 1/4" (4391)	2'-196 1/4" (4410)	2'-197 1/4" (4429)	2'-198 1/4" (4448)	2'-199 1/4" (4467)	2'-200 1/4" (4486)	2'-201 1/4" (4505)	2'-202 1/4" (4524)	2'-203 1/4" (4543)	2'-204 1/4" (4562)	2'-205 1/4" (4581)	2'-206 1/4" (4600)	2'-207 1/4" (4619)	2'-208 1/4" (4638)	2'-209 1/4" (4657)	2'-210 1/4" (4676)	2'-211 1/4" (4695)	2'-212 1/4" (4714)	2'-213 1/4" (4733)	2'-214 1/4" (4752)	2'-215 1/4" (4771)	2'-216 1/4" (4790)	2'-217 1/4" (4809)	2'-218 1/4" (4828)	2'-219 1/4" (4847)	2'-220 1/4" (4866)	2'-221 1/4" (4885)	2'-222 1/4" (4904)	2'-223 1/4" (4923)	2'-224 1/4" (4942)	2'-225 1/4" (4961)	2'-226 1/4" (4980)	2'-227 1/4" (4999)	2'-228 1/4" (5018)	2'-229 1/4" (5037)	2'-230 1/4" (5056)	2'-231 1/4" (5075)	2'-232 1/4" (5094)	2'-233 1/4" (5113)	2'-234 1/4" (5132)	2'-235 1/4" (5151)	2'-236 1/4" (5170)	2'-237 1/4" (5189)	2'-238 1/4" (5208)	2'-239 1/4" (5227)	2'-240 1/4" (5246)	2'-241 1/4" (5265)	2'-242 1/4" (5284)	2'-243 1/4" (5303)	2'-244 1/4" (5322)	2'-245 1/4" (5341)	2'-246 1/4" (5360)	2'-247 1/4" (5379)	2'-248 1/4" (5398)	2'-249 1/4" (5417)	2'-250 1/4" (5436)	2'-251 1/4" (5455)	2'-252 1/4" (5474)	2'-253 1/4" (5493)	2'-254 1/4" (5512)	2'-255 1/4" (5531)	2'-256 1/4" (5550)	2'-257 1/4" (5569)	2'-258 1/4" (5588)	2'-259 1/4" (5607)	2'-260 1/4" (5626)	2'-261 1/4" (5645)	2'-262 1/4" (5664)	2'-263 1/4" (5683)	2'-264 1/4" (5702)	2'-265 1/4" (5721)	2'-266 1/4" (5740)	2'-267 1/4" (5759)	2'-268 1/4" (5778)	2'-269 1/4" (5797)	2'-270 1/4" (5816)	2'-271 1/4" (5835)	2'-272 1/4" (5854)	2'-273 1/4" (5873)	2'-274 1/4" (5892)	2'-275 1/4" (5911)	2'-276 1/4" (5930)	2'-277 1/4" (5949)	2'-278 1/4" (5968)	2'-279 1/4" (5987)	2'-280 1/4" (6006)	2'-281 1/4" (6025)	2'-282 1/4" (6044)	2'-283 1/4" (6063)	2'-284 1/4" (6082)	2'-285 1/4" (6101)	2'-286 1/4" (6120)	2'-287 1/4" (6139)	2'-288 1/4" (6158)	2'-289 1/4" (6177)	2'-290 1/4" (6196)	2'-291 1/4" (6215)	2'-292 1/4" (6234)	2'-293 1/4" (6253)	2'-294 1/4" (6272)	2'-295 1/4" (6291)	2'-296 1/4" (6310)	2'-297 1/4" (6329)	2'-298 1/4" (6348)	2'-299 1/4" (6367)	2'-300 1/4" (6386)	2'-301 1/4" (6405)	2'-302 1/4" (6424)	2'-303 1/4" (6443)	2'-304 1/4" (6462)	2'-305 1/4" (6481)	2'-306 1/4" (6500)	2'-307 1/4" (6519)	2'-308 1/4" (6538)	2'-309 1/4" (6557)	2'-310 1/4" (6576)	2'-311 1/4" (6595)	2'-312 1/4" (6614)	2'-313 1/4" (6633)	2'-314 1/4" (6652)	2'-315 1/4" (6671)	2'-316 1/4" (6690)	2'-317 1/4" (6709)	2'-318 1/4" (6728)	2'-319 1/4" (6747)	2'-320 1/4" (6766)	2'-321 1/4" (6785)	2'-322 1/4" (6804)	2'-323 1/4" (6823)	2'-324 1/4" (6842)	2'-325 1/4" (6861)	2'-326 1/4" (6880)	2'-327 1/4" (6899)	2'-328 1/4" (6918)	2'-329 1/4" (6937)	2'-330 1/4" (6956)	2'-331 1/4" (6975)	2'-332 1/4" (6994)	2'-333 1/4" (7013)	2'-334 1/4" (7032)	2'-335 1/4" (7051)	2'-336 1/4" (7070)	2'-337 1/4" (7089)	2'-338 1/4" (7108)	2'-339 1/4" (7127)	2'-340 1/4" (7146)	2'-341 1/4" (7165)	2'-342 1/4" (7184)	2'-343 1/4" (7203)	2'-344 1/4" (7222)	2'-345 1/4" (7241)	2'-346 1/4" (7260)	2'-347 1/4" (7279)	2'-348 1/4" (7298)	2'-349 1/4" (7317)	2'-350 1/4" (7336)	2'-351 1/4" (7355)	2'-352 1/4" (7374)	2'-353 1/4" (7393)	2'-354 1/4" (7412)	2'-355 1/4" (7431)	2'-356 1/4" (7450)	2'-357 1/4" (7469)	2'-358 1/4" (7488)	2'-359 1/4" (7507)	2'-360 1/4" (7526)	2'-361 1/4" (7545)	2'-362 1/4" (7564)	2'-363 1/4" (7583)	2'-364 1/4" (7602)	2'-365 1/4" (7621)	2'-366 1/4" (7640)	2'-367 1/4" (7659)	2'-368 1/4" (7678)	2'-369 1/4" (7697)	2'-370 1/4" (7716)	2'-371 1/4" (7735)	2'-372 1/4" (7754)	2'-373 1/4" (7773)	2'-374 1/4" (7792)	2'-375 1/4" (7811)	2'-376 1/4" (7830)	2'-377 1/4" (7849)	2'-378 1/4" (7868)	2'-379 1/4" (7887)	2'-380 1/4" (7906)	2'-381 1/4" (7925)	2'-382 1/4" (7944)	2'-383 1/4" (7963)	2'-384 1/4" (7982)	2'-385 1/4" (8001)	2'-386 1/4" (8020)	2'-387 1/4" (8039)	2'-388 1/4" (8058)	2'-389 1/4" (8077)	2'-390 1/4" (8096)	2'-391 1/4" (8115)	2'-392 1/4" (8134)	2'-393 1/4" (8153)	2'-394 1/4" (8172)	2'-395 1/4" (8191)	2'-396 1/4" (8210)	2'-397 1/4" (8229)	2'-398 1/4" (8248)	2'-399 1/4" (8267)	2'-400 1/4" (8286)	2'-401 1/4" (8305)	2'-402 1/4" (8324)	2'-403 1/4" (8343)	2'-404 1/4" (8362)	2'-405 1/4" (8381)	2'-406 1/4" (8400)	2'-407 1/4" (8419)	2'-408 1/4" (8438)	2'-409 1/4" (8457)	2'-410 1/4" (8476)	2'-411 1/4" (8495)	2'-412 1/4" (8514)	2'-413 1/4" (8533)	2'-414 1/4" (8552)	2'-415 1/4" (8571)	2'-416 1/4" (8590)	2'-417 1/4" (8609)	2'-418 1/4" (8628)	2'-419 1/4" (8647)	2'-420 1/4" (8666)	2'-421 1/4" (8685)	2'-422 1/4" (8704)	2'-423 1/4" (8723)	2'-424 1/4" (8742)	2'-425 1/4" (8761)	2'-426 1/4" (8780)	2'-427 1/4" (8799)	2'-428 1/4" (8818)	2'-429 1/4" (8837)	2'-430 1/4" (8856)	2'-431 1/4" (8875)	2'-432 1/4" (8894)	2'-433 1/4" (8913)	2'-434 1/4" (8932)	2'-435 1/4" (8951)	2'-436 1/4" (8970)	2'-437 1/4" (8989)	2'-438 1/4" (9008)	2'-439 1/4" (9027)	2'-440 1/4" (9046)	2'-441 1/4" (9065)	2'-442 1/4" (9084)	2'-443 1/4" (9103)	2'-444 1/4" (9122)	2'-445 1/4" (9141)	2'-446 1/4" (9160)	2'-447 1/4" (9179)	2'-448 1/4" (9198)	2'-449 1/4" (9217)	2'-450 1/4" (9236)	2'-451 1/4" (9255)	2'-452 1/4" (9274)	2'-453 1/4" (9293)	2'-454 1/4" (9312)	2'-455 1/4" (9331)	2'-456 1/4" (9350)	2'-457 1/4" (9369)	2'-458 1/4" (9388)	2'-459 1/4" (9407)	2'-460 1/4" (9426)	2'-461 1/4" (9445)	2'-462 1/4" (9464)	2'-463 1/4" (9483)	2'-464 1/4" (9502)	2'-465 1/4" (9521)	2'-466 1/4" (9540)	2'-467 1/4" (9559)	2'-468 1/4" (9578)	2'-469 1/4" (9597)	2'-470 1/4" (9616)	2'-471 1/4" (9635)	2'-472 1/4" (9654)	2'-473 1/4" (9673)	2'-474 1/4" (9692)	2'-475 1/4" (9711)	2'-476 1/4" (9730)	2'-477 1/4" (9749)	2'-478 1/4" (9768)	2'-479 1/4" (9787)	2'-480 1/4" (9806)	2'-481 1/4" (9825)	2'-482 1/4" (9844)	2'-483 1/4" (9863)	2'-484 1/4" (9882)	2'-485 1/4" (9901)	2'-486 1/4" (9920)	2'-487 1/4" (9939)	2'-488 1/4" (9958)	2'-489 1/4" (9977)	2'-490 1/4" (9996)	2'-491 1/4" (10015)	2'-492 1/4" (10034)	2'-493 1/4" (10053)	2'-494 1/4" (10072)	2'-495 1/4" (10091)	2'-496 1/4" (10110)	2'-497 1/4" (10129)	2'-498 1/4" (10148)	2'-499 1/4" (10167)	2'-500 1/4" (10186)	2'-501 1/4" (10205)	2'-502 1/4" (10224)	2'-503 1/4" (10243)	2'-504 1/4" (10262)	2'-505 1/4" (10281)	2'-506 1/4" (10300)	2'-507 1/4" (10319)	2'-508 1/4" (10338)	2'-509 1/4" (10357)	2'-510 1/4" (10376)	2'-511 1/4" (10395)	2'-512 1/4" (10414)	2'-513 1/4" (10433)	2'-514 1/4" (10452)	2'-515 1/4" (10471)	2'-516 1/4" (10490)	2'-517 1/4" (10509)	2'-518 1/4" (10528)	2'-519 1/4" (10547)	2'-520 1/4" (10566)	2'-521 1/4" (10585)	2'-522 1/4" (10604)	2'-523 1/4" (10623)	2'-524 1/4" (10642)	2'-525 1/4" (10661)	2'-526 1/4" (10680)	2'-527 1/4" (10699)	2'-528 1/4" (10718)	2'-529 1/4" (10737)	2'-530 1/4" (10756)	2'-531 1/4" (10775)	2'-532 1/4" (10794)	2'-533 1/4" (10813)	2'-534 1/4" (10832)	2'-535 1/4"
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Casement Window Opening and Area Specifications

Window Number	Clear Opening Sq. Ft./ (m ²)		Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
			Width Inches/ (mm)	Height Inches/ (mm)				
ACW1828	1.75	(0.16)	9 13/16" (249)	25 5/8" (651)	2.08 (0.19)	2.54 (0.24)	54 1/16" (1373)	4.18 (0.39)
ACW1830	2.02	(0.19)	9 13/16" (249)	29 5/8" (752)	2.43 (0.23)	2.94 (0.27)	50 1/16" (1272)	4.71 (0.44)
ACW1834	2.29	(0.21)	9 13/16" (249)	33 5/8" (854)	2.78 (0.26)	3.34 (0.31)	46 1/16" (1170)	5.25 (0.49)
ACW1838	2.57	(0.24)	9 13/16" (249)	37 5/8" (956)	3.13 (0.29)	3.74 (0.35)	42 1/16" (1068)	5.78 (0.54)
ACW1840	2.84	(0.26)	9 13/16" (249)	41 5/8" (1057)	3.48 (0.32)	4.13 (0.38)	38 1/16" (967)	6.32 (0.59)
ACW1844	3.11	(0.29)	9 13/16" (249)	45 5/8" (1159)	3.83 (0.36)	4.53 (0.42)	34 1/16" (865)	6.85 (0.64)
ACW1848	3.39	(0.31)	9 13/16" (249)	49 5/8" (1260)	4.18 (0.39)	4.93 (0.46)	30 1/16" (764)	7.39 (0.69)
ACW1850	3.66	(0.34)	9 13/16" (249)	53 5/8" (1362)	4.53 (0.42)	5.32 (0.49)	26 1/16" (662)	7.92 (0.74)
ACW1854	3.93	(0.37)	9 13/16" (249)	57 5/8" (1464)	4.88 (0.45)	5.72 (0.53)	22 1/16" (560)	8.46 (0.79)
ACW1858	3.55	(0.33)	8 5/16" (211)	61 5/8" (1565)	5.23 (0.49)	6.12 (0.57)	18 1/16" (459)	8.99 (0.84)
ACW1860	3.78	(0.35)	8 5/16" (211)	65 5/8" (1667)	5.58 (0.52)	6.52 (0.61)	14 1/16" (357)	9.52 (0.88)
ACW2028	2.46	(0.23)	13 13/16" (351)	25 5/8" (651)	2.74 (0.25)	3.25 (0.30)	54 1/16" (1373)	5.05 (0.47)
ACW2030	2.84	(0.26)	13 13/16" (351)	29 5/8" (752)	3.20 (0.30)	3.76 (0.35)	50 1/16" (1272)	5.69 (0.53)
ACW2034	3.23	(0.30)	13 13/16" (351)	33 5/8" (854)	3.67 (0.34)	4.27 (0.40)	46 1/16" (1170)	6.34 (0.59)
ACW2038	3.61	(0.34)	13 13/16" (351)	37 5/8" (956)	4.13 (0.38)	4.78 (0.44)	42 1/16" (1068)	6.98 (0.65)
ACW2040	4.00	(0.37)	13 13/16" (351)	41 5/8" (1057)	4.59 (0.43)	5.29 (0.49)	38 1/16" (967)	7.63 (0.71)
ACW2044	4.38	(0.41)	13 13/16" (351)	45 5/8" (1159)	5.05 (0.47)	5.80 (0.54)	34 1/16" (865)	8.27 (0.77)
ACW2048	4.24	(0.39)	12 5/16" (313)	49 5/8" (1260)	5.51 (0.51)	6.31 (0.59)	30 1/16" (764)	8.92 (0.83)
ACW2050	4.58	(0.43)	12 5/16" (313)	53 5/8" (1362)	5.97 (0.55)	6.81 (0.63)	26 1/16" (662)	9.57 (0.89)
ACW2054	4.92	(0.46)	12 5/16" (313)	57 5/8" (1464)	6.43 (0.60)	7.32 (0.68)	22 1/16" (560)	10.21 (0.95)
ACW2058	5.26	(0.49)	12 5/16" (313)	61 5/8" (1565)	6.89 (0.64)	7.83 (0.73)	18 1/16" (459)	10.86 (1.01)
ACW2060	5.61	(0.52)	12 5/16" (313)	65 5/8" (1667)	7.35 (0.68)	8.34 (0.77)	14 1/16" (357)	11.50 (1.07)
ACW2428	2.90	(0.27)	16 5/16" (414)	25 5/8" (651)	3.40 (0.32)	3.97 (0.37)	54 1/16" (1373)	5.91 (0.55)
ACW2430	3.35	(0.31)	16 5/16" (414)	29 5/8" (752)	3.98 (0.37)	4.58 (0.43)	50 1/16" (1272)	6.67 (0.62)
ACW2434	3.80	(0.35)	16 5/16" (414)	33 5/8" (854)	4.55 (0.42)	5.20 (0.48)	46 1/16" (1170)	7.43 (0.69)
ACW2438	4.26	(0.40)	16 5/16" (414)	37 5/8" (956)	5.12 (0.48)	5.82 (0.54)	42 1/16" (1068)	8.18 (0.76)
ACW2440 ♦*	5.93	(0.55)	20 1/2" (521)	41 5/8" (1057)	5.69 (0.53)	6.44 (0.60)	38 1/16" (967)	8.94 (0.83)
ACW2444 ♦*	6.50	(0.60)	20 1/2" (521)	45 5/8" (1159)	6.27 (0.58)	7.06 (0.66)	34 1/16" (865)	9.70 (0.90)
ACW2448 ♦*	7.07	(0.66)	20 1/2" (521)	49 5/8" (1260)	6.84 (0.64)	7.68 (0.71)	30 1/16" (764)	10.46 (0.97)
ACW2450 ♦*	7.64	(0.71)	20 1/2" (521)	53 5/8" (1362)	7.41 (0.69)	8.30 (0.77)	26 1/16" (662)	11.21 (1.04)
ACW2454 ♦*	8.21	(0.76)	20 1/2" (521)	57 5/8" (1464)	7.98 (0.74)	8.92 (0.83)	22 1/16" (560)	11.97 (1.11)
ACW2458 ♦*	8.78	(0.82)	20 1/2" (521)	61 5/8" (1565)	8.55 (0.79)	9.54 (0.89)	18 1/16" (459)	12.73 (1.18)
ACW2460 ♦*	9.35	(0.87)	20 1/2" (521)	65 5/8" (1667)	9.13 (0.85)	10.16 (0.94)	14 1/16" (357)	13.48 (1.25)
ACW2628	3.25	(0.30)	18 5/16" (465)	25 5/8" (651)	3.74 (0.35)	4.32 (0.40)	54 1/16" (1373)	6.35 (0.59)
ACW2630	3.76	(0.35)	18 5/16" (465)	29 5/8" (752)	4.36 (0.41)	5.00 (0.46)	50 1/16" (1272)	7.16 (0.67)
ACW2634	4.27	(0.40)	18 5/16" (465)	33 5/8" (854)	4.99 (0.46)	5.67 (0.53)	46 1/16" (1170)	7.97 (0.74)
ACW2638 ♦*	5.88	(0.55)	22 1/2" (572)	37 5/8" (956)	5.62 (0.52)	6.35 (0.59)	42 1/16" (1068)	8.79 (0.82)
ACW2640 ♦*	6.50	(0.60)	22 1/2" (572)	41 5/8" (1057)	6.25 (0.58)	7.02 (0.65)	38 1/16" (967)	9.60 (0.89)
ACW2644 ♦*	7.13	(0.66)	22 1/2" (572)	45 5/8" (1159)	6.87 (0.64)	7.70 (0.72)	34 1/16" (865)	10.41 (0.97)
ACW2648 ♦*	7.75	(0.72)	22 1/2" (572)	49 5/8" (1260)	7.50 (0.70)	8.37 (0.78)	30 1/16" (764)	11.22 (1.04)
ACW2650 ♦*	8.38	(0.78)	22 1/2" (572)	53 5/8" (1362)	8.13 (0.76)	9.05 (0.84)	26 1/16" (662)	12.04 (1.12)
ACW2654 ♦*	9.01	(0.84)	22 1/2" (572)	57 5/8" (1464)	8.76 (0.81)	9.72 (0.90)	22 1/16" (560)	12.85 (1.19)
ACW2658 ♦*	9.63	(0.89)	22 1/2" (572)	61 5/8" (1565)	9.39 (0.87)	10.40 (0.97)	18 1/16" (459)	13.66 (1.27)
ACW2660 ♦*	10.26	(0.95)	22 1/2" (572)	65 5/8" (1667)	10.01 (0.93)	11.07 (1.03)	14 1/16" (357)	14.47 (1.34)
ACW2828	3.61	(0.34)	20 5/16" (516)	25 5/8" (651)	4.07 (0.38)	4.68 (0.43)	54 1/16" (1373)	6.78 (0.63)
ACW2830	4.17	(0.39)	20 5/16" (516)	29 5/8" (752)	4.75 (0.44)	5.41 (0.50)	50 1/16" (1272)	7.65 (0.71)
ACW2834	4.74	(0.44)	20 5/16" (516)	33 5/8" (854)	5.43 (0.50)	6.14 (0.57)	46 1/16" (1170)	8.52 (0.79)
ACW2838 ♦*	6.40	(0.59)	24 1/2" (622)	37 5/8" (956)	6.12 (0.57)	6.87 (0.64)	42 1/16" (1068)	9.39 (0.87)
ACW2840 ♦	5.87	(0.55)	20 5/16" (516)	41 5/8" (1057)	6.80 (0.63)	7.60 (0.71)	38 1/16" (967)	10.25 (0.95)
ACW2844 ♦	6.43	(0.60)	20 5/16" (516)	45 5/8" (1159)	7.48 (0.69)	8.33 (0.77)	34 1/16" (865)	11.12 (1.03)
ACW2848 ♦	6.99	(0.65)	20 5/16" (516)	49 5/8" (1260)	8.17 (0.76)	9.06 (0.84)	30 1/16" (764)	11.99 (1.11)
ACW2850 ♦	7.56	(0.70)	20 5/16" (516)	53 5/8" (1362)	8.85 (0.82)	9.79 (0.91)	26 1/16" (662)	12.86 (1.19)
ACW2854 ♦	9.44	(0.88)	23 19/32" (599)	57 5/8" (1464)	9.53 (0.89)	10.52 (0.98)	22 1/16" (560)	13.73 (1.28)
ACW2858 ♦	10.09	(0.94)	23 19/32" (599)	61 5/8" (1565)	10.22 (0.95)	11.25 (1.05)	18 1/16" (459)	14.59 (1.36)
ACW2860 ♦	10.75	(1.00)	23 19/32" (599)	65 5/8" (1667)	10.90 (1.01)	11.98 (1.11)	14 1/16" (357)	15.46 (1.44)
ACW21028	3.97	(0.37)	22 5/16" (567)	25 5/8" (651)	4.40 (0.41)	5.03 (0.47)	54 1/16" (1373)	7.22 (0.67)
ACW21030	4.58	(0.43)	22 5/16" (567)	29 5/8" (752)	5.14 (0.48)	5.82 (0.54)	50 1/16" (1272)	8.14 (0.76)
ACW21034	5.20	(0.48)	22 5/16" (567)	33 5/8" (854)	5.87 (0.55)	6.60 (0.61)	46 1/16" (1170)	9.06 (0.84)
ACW21038 ♦	5.82	(0.54)	22 5/16" (567)	37 5/8" (956)	6.61 (0.61)	7.39 (0.69)	42 1/16" (1068)	9.99 (0.93)
ACW21040 ♦	6.44	(0.60)	22 5/16" (567)	41 5/8" (1057)	7.35 (0.68)	8.18 (0.76)	38 1/16" (967)	10.91 (1.01)
ACW21044 ♦	7.06	(0.66)	22 5/16" (567)	45 5/8" (1159)	8.09 (0.75)	8.96 (0.83)	34 1/16" (865)	11.83 (1.10)

- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.
- ♦Meet or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).
- *Available with straight arm operators only; all other sizes have split arm operators only.

continued on next page

Casement Window Opening and Area Specifications (continued)

Window Number	Clear Opening Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/ (mm)	Height Inches/ (mm)				
ACW21048 ◊	8.78 (0.82)	25 1/2" (648)	49 5/8" (1260)	8.83 (0.82)	9.75 (0.91)	30 1/16" (764)	12.76 (1.19)
ACW21050 ◊	9.49 (0.88)	25 1/2" (648)	53 5/8" (1362)	9.57 (0.89)	10.54 (0.98)	26 1/16" (662)	13.68 (1.27)
ACW21054 ◊	10.20 (0.95)	25 1/2" (648)	57 5/8" (1464)	10.31 (0.96)	11.32 (1.05)	22 1/16" (560)	14.60 (1.36)
ACW21058 ◊	10.91 (1.01)	25 1/2" (648)	61 5/8" (1565)	11.05 (1.03)	12.11 (1.13)	18 1/16" (459)	15.53 (1.44)
ACW21060 ◊	11.61 (1.08)	25 1/2" (648)	65 5/8" (1667)	11.79 (1.10)	12.89 (1.20)	14 1/16" (357)	16.45 (1.53)
ACW3028	4.32 (0.40)	24 5/16" (618)	25 5/8" (651)	4.73 (0.44)	5.39 (0.50)	54 1/16" (1373)	7.65 (0.71)
ACW3030	5.00 (0.46)	24 5/16" (618)	29 5/8" (752)	5.52 (0.51)	6.23 (0.58)	50 1/16" (1272)	8.63 (0.80)
ACW3034	5.67 (0.53)	24 5/16" (618)	33 5/8" (854)	6.32 (0.59)	7.07 (0.66)	46 1/16" (1170)	9.61 (0.89)
ACW3038 ◊	6.35 (0.59)	24 5/16" (618)	37 5/8" (956)	7.11 (0.66)	7.91 (0.73)	42 1/16" (1068)	10.59 (0.98)
ACW3040 ◊	7.91 (0.73)	27 1/16" (697)	41 5/8" (1057)	7.90 (0.73)	8.75 (0.81)	38 1/16" (967)	11.57 (1.07)
ACW3044 ◊	8.68 (0.81)	27 1/16" (697)	45 5/8" (1159)	8.70 (0.81)	9.60 (0.89)	34 1/16" (865)	12.55 (1.17)
ACW3048 ◊	9.44 (0.88)	27 1/16" (697)	49 5/8" (1260)	9.49 (0.88)	10.44 (0.97)	30 1/16" (764)	13.52 (1.26)
ACW3050 ◊	10.20 (0.95)	27 1/16" (697)	53 5/8" (1362)	10.29 (0.96)	11.28 (1.05)	26 1/16" (662)	14.50 (1.35)
ACW3054 ◊	10.96 (1.02)	27 1/16" (697)	57 5/8" (1464)	11.08 (1.03)	12.12 (1.13)	22 1/16" (560)	15.48 (1.44)
ACW3058 ◊	11.72 (1.09)	27 1/16" (697)	61 5/8" (1565)	11.88 (1.10)	12.96 (1.20)	18 1/16" (459)	16.46 (1.53)
ACW3060 ◊	12.48 (1.16)	27 1/16" (697)	65 5/8" (1667)	12.67 (1.18)	13.81 (1.28)	14 1/16" (357)	17.44 (1.62)

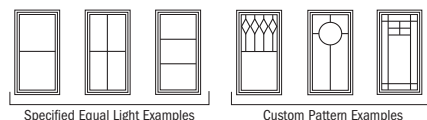
- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.
- ◊ Meet or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

Grille Patterns

	Queen Anne	Diamond	Prairie A	Specified Equal Light with Check Rail (Simulated Check Rail)	Colonial	Modified* Colonial	Modified* Colonial SCR (Simulated Check Rail)	Tall Fractional	Tall Fractional SCR (Simulated Check Rail)	Short Fractional	Short Fractional SCR (Simulated Check Rail)
Casement											

• Andersen® Finelight™ grilles available in 3/4" (19) profile only.

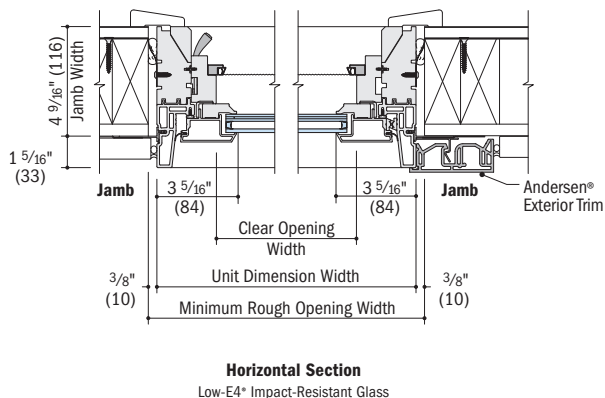
*Location from top of window to bottom of divided light pattern is available at 8" (203), 10" (254), 12" (305), center and at custom dimensions.



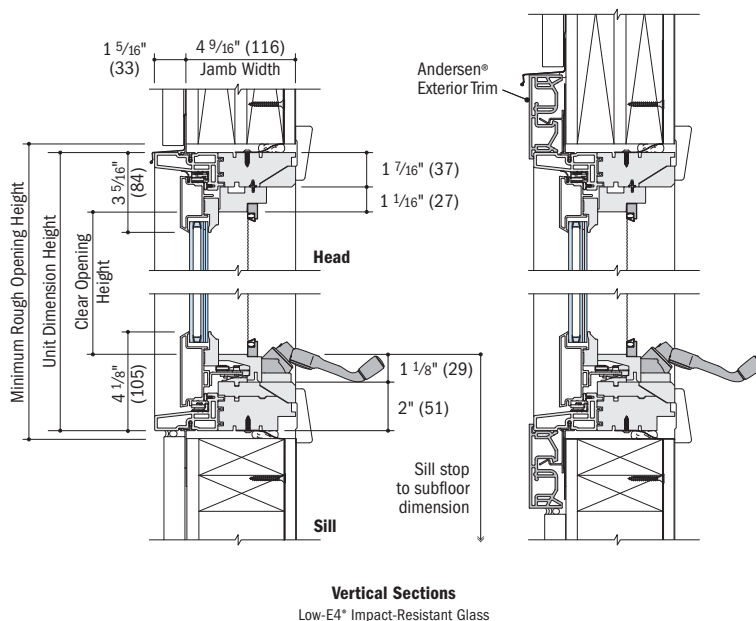
Number of lights and overall pattern varies with window size. Patterns shown may not be available for all sizes. Specified equal light and custom patterns are also available. For more information on divided light see pages 18-19 or visit andersenwindows.com/grilles.

Casement Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



- 4 9/16" (116) jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.



See pages 49-51 for horizontal and vertical joining details.

Table of Awning Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-7 1/4"	1'-11 1/4"	2'-3 1/4"	2'-5 1/4"	2'-7 1/4"	2'-9 1/4"	2'-11 1/4"	3'-1 1/4"	3'-3 1/4"	3'-7 1/4"	3'-11 1/4"	4'-3 1/4"
Minimum Rough Opening	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-6" (762)	2'-8" (813)	2'-10" (864)	3'-0" (914)	3'-2" (965)	3'-4" (1016)	3'-8" (1118)	4'-0" (1219)	4'-4" (1321)
Unobstructed Glass	12 5/8" (321)	16 5/8" (422)	20 5/8" (524)	22 5/8" (575)	24 5/8" (625)	26 5/8" (676)	28 5/8" (727)	30 5/8" (778)	32 5/8" (829)	36 5/8" (930)	40 5/8" (1032)	44 5/8" (1133)

1'-3 1/4"	1'-7 1/4"	1'-9 1/4"	1'-11 1/4"	2'-3 1/4"	2'-7 1/4"	2'-11 1/4"
(387)	(489)	(540)	(591)	(692)	(794)	(895)
1'-4"	1'-8"	1'-10"	2'-0"	2'-4"	2'-8"	3'-0"
(406)	(508)	(559)	(610)	(711)	(813)	(914)
7 13/16"	11 13/16"	13 13/16"	15 13/16"	19 13/16"	23 13/16"	27 13/16"
(198)	(300)	(351)	(402)	(503)	(605)	(706)

CUSTOM WIDTHS – 1'-7 1/4" to 4'-3 1/4"

AAN1814	AAN2014	AAN2414	AAN2614	AAN2814	AAN21014	AAN3014	AAN3214	AAN3414	AAN3814	AAN4014	AAN4414
AAN1818	AAN2018	AAN2418	AAN2618	AAN2818	AAN21018	AAN3018	AAN3218	AAN3418	AAN3818	AAN4018	AAN4418
AAN18110	AAN20110	AAN24110	AAN26110	AAN28110	AAN210110	AAN30110	AAN32110	AAN34110	AAN38110	AAN40110	AAN44110
AAN1820	AAN2020	AAN2420	AAN2620	AAN2820	AAN21020	AAN3020	AAN3220	AAN3420	AAN3820	AAN4020	AAN4420
AAN1824	AAN2024	AAN2424	AAN2624	AAN2824	AAN21024	AAN3024	AAN3224	AAN3424	AAN3824	AAN4024	AAN4424
AAN1828	AAN2028	AAN2428	AAN2628	AAN2828	AAN21028	AAN3028	AAN3228	AAN3428	AAN3828	AAN4028	AAN4428
AAN1830	AAN2030	AAN2430	AAN2630	AAN2830	AAN21030	AAN3030	AAN3230	AAN3430	AAN3830	AAN4030	AAN4430

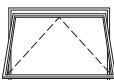
Window Dimension	4'-7 1/4"	4'-11 1/4"
Minimum Rough Opening	4'-8" (1422)	5'-0" (1524)
Unobstructed Glass	48 5/8" (1335)	52 5/8" (1337)

CUSTOM WIDTHS – 4'-3 3/8" to 4'-11 1/4"

AAN4814	AAN5014
AAN4818	AAN5018
AAN48110	AAN50110
AAN4820	AAN5020
AAN4824	AAN5024
AAN4828	AAN5028



Custom-size windows are available in 1/8" (3) increments. See page 53 for custom sizes and specifications.



Venting

Available venting only.
Awning window must be installed to vent as shown and should not be rotated and used as a hopper.

Grille Patterns

	Diamond	Prairie A	Colonial
Awning			

• Andersen® Finelight™ grilles available in 3/4" (19) profile only.

Number of lights and overall pattern varies with window size. Patterns shown may not be available for all sizes.

Specified equal light and custom patterns are also available. For more information on divided light see pages 18-19 or visit andersenwindows.com/grilles.

Specified Equal Light Examples	Custom Pattern Examples

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.

Awning Window Opening and Area Specifications

Window Number	Clear Opening Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/ (mm)	Depth Inches/ (mm)				
AAN1814	0.59 (0.05)	14 5/16" (364)	5 7/8" (149)	0.68 (0.06)	0.59 (0.05)	70 1/16" (1780)	2.04 (0.19)
AAN2014	0.75 (0.07)	18 5/16" (465)	5 7/8" (149)	0.90 (0.08)	0.75 (0.07)	70 1/16" (1780)	2.46 (0.23)
AAN2414	0.91 (0.08)	22 5/16" (567)	5 7/8" (149)	1.12 (0.10)	0.91 (0.08)	70 1/16" (1780)	2.89 (0.27)
AAN2614	0.99 (0.09)	24 5/16" (618)	5 7/8" (149)	1.22 (0.11)	0.99 (0.09)	70 1/16" (1780)	3.10 (0.29)
AAN2814	1.08 (0.10)	26 5/16" (668)	5 7/8" (149)	1.33 (0.12)	1.08 (0.10)	70 1/16" (1780)	3.31 (0.31)
AAN21014	1.16 (0.11)	28 5/16" (719)	5 7/8" (149)	1.44 (0.13)	1.16 (0.11)	70 1/16" (1780)	3.52 (0.33)
AAN3014	1.24 (0.12)	30 5/16" (770)	5 7/8" (149)	1.55 (0.14)	1.24 (0.12)	70 1/16" (1780)	3.73 (0.35)
AAN3214	1.32 (0.12)	32 5/16" (821)	5 7/8" (149)	1.66 (0.15)	1.32 (0.12)	70 1/16" (1780)	3.95 (0.37)
AAN3414	1.40 (0.13)	34 5/16" (872)	5 7/8" (149)	1.77 (0.16)	1.40 (0.13)	70 1/16" (1780)	4.16 (0.39)
AAN3814	1.57 (0.15)	38 5/16" (973)	5 7/8" (149)	1.98 (0.18)	1.57 (0.15)	70 1/16" (1780)	4.58 (0.43)
AAN4014	1.73 (0.16)	42 5/16" (1075)	5 7/8" (149)	2.20 (0.20)	1.73 (0.16)	70 1/16" (1780)	5.00 (0.46)
AAN4414	1.90 (0.18)	46 5/16" (1176)	5 7/8" (149)	2.42 (0.22)	1.90 (0.18)	70 1/16" (1780)	5.43 (0.50)
AAN4814	2.06 (0.19)	50 5/16" (1278)	5 7/8" (149)	2.63 (0.24)	2.06 (0.19)	70 1/16" (1780)	5.85 (0.54)
AAN5014	2.22 (0.21)	54 5/16" (1380)	5 7/8" (149)	2.85 (0.26)	2.22 (0.21)	70 1/16" (1780)	6.28 (0.58)
AAN1818	0.59 (0.05)	14 5/16" (364)	5 7/8" (149)	1.03 (0.10)	0.59 (0.05)	66 1/16" (1678)	2.57 (0.24)
AAN2018	0.75 (0.07)	18 5/16" (465)	5 7/8" (149)	1.36 (0.13)	0.75 (0.07)	66 1/16" (1678)	3.11 (0.29)
AAN2418	0.91 (0.08)	22 5/16" (567)	5 7/8" (149)	1.69 (0.16)	0.91 (0.08)	66 1/16" (1678)	3.64 (0.34)
AAN2618	0.99 (0.09)	24 5/16" (618)	5 7/8" (149)	1.85 (0.17)	0.99 (0.09)	66 1/16" (1678)	3.91 (0.36)
AAN2818	1.08 (0.10)	26 5/16" (668)	5 7/8" (149)	2.02 (0.19)	1.08 (0.10)	66 1/16" (1678)	4.18 (0.39)
AAN21018	1.16 (0.11)	28 5/16" (719)	5 7/8" (149)	2.18 (0.20)	1.16 (0.11)	66 1/16" (1678)	4.45 (0.41)
AAN3018	1.24 (0.12)	30 5/16" (770)	5 7/8" (149)	2.34 (0.22)	1.24 (0.12)	66 1/16" (1678)	4.71 (0.44)
AAN3218	1.32 (0.12)	32 5/16" (821)	5 7/8" (149)	2.51 (0.23)	1.32 (0.12)	66 1/16" (1678)	4.98 (0.46)
AAN3418	1.40 (0.13)	34 5/16" (872)	5 7/8" (149)	2.67 (0.25)	1.40 (0.13)	66 1/16" (1678)	5.25 (0.49)
AAN3818	1.57 (0.15)	38 5/16" (973)	5 7/8" (149)	3.00 (0.28)	1.57 (0.15)	66 1/16" (1678)	5.78 (0.54)
AAN4018	1.73 (0.16)	42 5/16" (1075)	5 7/8" (149)	3.33 (0.31)	1.73 (0.16)	66 1/16" (1678)	6.32 (0.59)
AAN4418	1.90 (0.18)	46 5/16" (1176)	5 7/8" (149)	3.66 (0.34)	1.90 (0.18)	66 1/16" (1678)	6.85 (0.64)
AAN4818	2.06 (0.19)	50 5/16" (1278)	5 7/8" (149)	3.98 (0.37)	2.06 (0.19)	66 1/16" (1678)	7.39 (0.69)
AAN5018	2.22 (0.21)	54 5/16" (1380)	5 7/8" (149)	4.31 (0.40)	2.22 (0.21)	66 1/16" (1678)	7.92 (0.74)
AAN18110	0.59 (0.05)	14 5/16" (364)	5 7/8" (149)	1.21 (0.11)	0.59 (0.05)	64 1/16" (1627)	2.84 (0.26)
AAN20110	0.75 (0.07)	18 5/16" (465)	5 7/8" (149)	1.59 (0.15)	0.75 (0.07)	64 1/16" (1627)	3.43 (0.32)
AAN24110	0.91 (0.08)	22 5/16" (567)	5 7/8" (149)	1.97 (0.18)	0.91 (0.08)	64 1/16" (1627)	4.02 (0.37)
AAN26110	0.99 (0.09)	24 5/16" (618)	5 7/8" (149)	2.17 (0.20)	0.99 (0.09)	64 1/16" (1627)	4.32 (0.40)
AAN28110	1.08 (0.10)	26 5/16" (668)	5 7/8" (149)	2.36 (0.22)	1.08 (0.10)	64 1/16" (1627)	4.61 (0.43)
AAN210110	1.16 (0.11)	28 5/16" (719)	5 7/8" (149)	2.55 (0.24)	1.16 (0.11)	64 1/16" (1627)	4.91 (0.46)
AAN30110	1.24 (0.12)	30 5/16" (770)	5 7/8" (149)	2.74 (0.25)	1.24 (0.12)	64 1/16" (1627)	5.20 (0.48)
AAN32110	1.32 (0.12)	32 5/16" (821)	5 7/8" (149)	2.93 (0.27)	1.32 (0.12)	64 1/16" (1627)	5.50 (0.51)
AAN34110	1.40 (0.13)	34 5/16" (872)	5 7/8" (149)	3.12 (0.29)	1.40 (0.13)	64 1/16" (1627)	5.79 (0.54)
AAN38110	1.57 (0.15)	38 5/16" (973)	5 7/8" (149)	3.51 (0.33)	1.57 (0.15)	64 1/16" (1627)	6.38 (0.59)
AAN40110	1.73 (0.16)	42 5/16" (1075)	5 7/8" (149)	3.89 (0.36)	1.73 (0.16)	64 1/16" (1627)	6.97 (0.65)
AAN44110	1.90 (0.18)	46 5/16" (1176)	5 7/8" (149)	4.27 (0.40)	1.90 (0.18)	64 1/16" (1627)	7.56 (0.70)
AAN48110	2.06 (0.19)	50 5/16" (1278)	5 7/8" (149)	4.66 (0.43)	2.06 (0.19)	64 1/16" (1627)	8.15 (0.76)
AAN50110	2.22 (0.21)	54 5/16" (1380)	5 7/8" (149)	5.04 (0.47)	2.22 (0.21)	64 1/16" (1627)	8.74 (0.81)
AAN1820	0.59 (0.05)	14 5/16" (364)	5 7/8" (149)	1.38 (0.13)	0.59 (0.05)	62 1/16" (1576)	3.11 (0.29)
AAN2020	0.75 (0.07)	18 5/16" (465)	5 7/8" (149)	1.82 (0.17)	0.75 (0.07)	62 1/16" (1576)	3.75 (0.35)
AAN2420	0.91 (0.08)	22 5/16" (567)	5 7/8" (149)	2.26 (0.21)	0.91 (0.08)	62 1/16" (1576)	4.40 (0.41)
AAN2620	0.99 (0.09)	24 5/16" (618)	5 7/8" (149)	2.48 (0.23)	0.99 (0.09)	62 1/16" (1576)	4.72 (0.44)
AAN2820	1.08 (0.10)	26 5/16" (668)	5 7/8" (149)	2.70 (0.25)	1.08 (0.10)	62 1/16" (1576)	5.05 (0.47)
AAN21020	1.16 (0.11)	28 5/16" (719)	5 7/8" (149)	2.92 (0.27)	1.16 (0.11)	62 1/16" (1576)	5.37 (0.50)
AAN3020	1.24 (0.12)	30 5/16" (770)	5 7/8" (149)	3.14 (0.29)	1.24 (0.12)	62 1/16" (1576)	5.69 (0.53)
AAN3220	1.32 (0.12)	32 5/16" (821)	5 7/8" (149)	3.36 (0.31)	1.32 (0.12)	62 1/16" (1576)	6.01 (0.56)
AAN3420	1.40 (0.13)	34 5/16" (872)	5 7/8" (149)	3.58 (0.33)	1.40 (0.13)	62 1/16" (1576)	6.34 (0.59)
AAN3820	1.57 (0.15)	38 5/16" (973)	5 7/8" (149)	4.02 (0.37)	1.57 (0.15)	62 1/16" (1576)	6.98 (0.65)
AAN4020	1.73 (0.16)	42 5/16" (1075)	5 7/8" (149)	4.46 (0.41)	1.73 (0.16)	62 1/16" (1576)	7.63 (0.71)
AAN4420	1.90 (0.18)	46 5/16" (1176)	5 7/8" (149)	4.89 (0.45)	1.90 (0.18)	62 1/16" (1576)	8.28 (0.77)
AAN4820	2.06 (0.19)	50 5/16" (1278)	5 7/8" (149)	5.33 (0.50)	2.06 (0.19)	62 1/16" (1576)	8.92 (0.83)
AAN5020	2.22 (0.21)	54 5/16" (1380)	5 7/8" (149)	5.77 (0.54)	2.22 (0.21)	62 1/16" (1576)	9.57 (0.89)
AAN1824	0.59 (0.05)	14 5/16" (364)	5 7/8" (149)	1.73 (0.16)	0.59 (0.05)	58 1/16" (1475)	3.64 (0.34)
AAN2024	0.75 (0.07)	18 5/16" (465)	5 7/8" (149)	2.28 (0.21)	0.75 (0.07)	58 1/16" (1475)	4.40 (0.41)
AAN2424	0.91 (0.08)	22 5/16" (567)	5 7/8" (149)	2.83 (0.26)	0.91 (0.08)	58 1/16" (1475)	5.16 (0.48)
AAN2624	0.99 (0.09)	24 5/16" (618)	5 7/8" (149)	3.11 (0.29)	0.99 (0.09)	58 1/16" (1475)	5.54 (0.51)
AAN2824	1.08 (0.10)	26 5/16" (668)	5 7/8" (149)	3.38 (0.31)	1.08 (0.10)	58 1/16" (1475)	5.91 (0.55)

- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.

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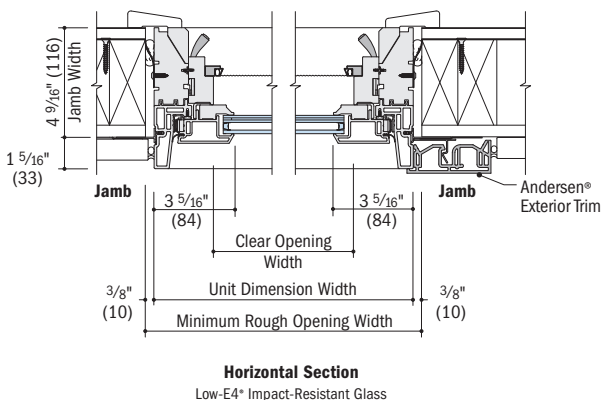
Awning Window Opening and Area Specifications *(continued)*

Window Number	Clear Opening Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/ (mm)	Depth Inches/ (mm)				
AAN21024	1.16 (0.11)	28 5/16" (719)	5 7/8" (149)	3.66 (0.34)	1.16 (0.11)	58 1/16" (1475)	6.29 (0.58)
AAN3024	1.24 (0.12)	30 5/16" (770)	5 7/8" (149)	3.93 (0.37)	1.24 (0.12)	58 1/16" (1475)	6.67 (0.62)
AAN3224	1.32 (0.12)	32 5/16" (821)	5 7/8" (149)	4.21 (0.39)	1.32 (0.12)	58 1/16" (1475)	7.05 (0.65)
AAN3424	1.40 (0.13)	34 5/16" (872)	5 7/8" (149)	4.48 (0.42)	1.40 (0.13)	58 1/16" (1475)	7.43 (0.69)
AAN3824	1.57 (0.15)	38 5/16" (973)	5 7/8" (149)	5.03 (0.47)	1.57 (0.15)	58 1/16" (1475)	8.18 (0.76)
AAN4034	1.73 (0.16)	42 5/16" (1075)	5 7/8" (149)	5.58 (0.52)	1.73 (0.16)	58 1/16" (1475)	8.94 (0.83)
AAN4424	1.90 (0.18)	46 5/16" (1176)	5 7/8" (149)	6.13 (0.57)	1.90 (0.18)	58 1/16" (1475)	9.70 (0.90)
AAN4824	2.06 (0.19)	50 5/16" (1278)	5 7/8" (149)	6.68 (0.62)	2.06 (0.19)	58 1/16" (1475)	10.46 (0.97)
AAN5024	2.22 (0.21)	54 5/16" (1380)	5 7/8" (149)	7.23 (0.67)	2.22 (0.21)	58 1/16" (1475)	11.21 (1.04)
AAN1828	0.59 (0.05)	14 5/16" (364)	5 7/8" (149)	2.08 (0.19)	0.59 (0.05)	54 1/16" (1373)	4.18 (0.39)
AAN2028	0.75 (0.07)	18 5/16" (465)	5 7/8" (149)	2.74 (0.25)	0.75 (0.07)	54 1/16" (1373)	5.05 (0.47)
AAN2428	0.91 (0.08)	22 5/16" (567)	5 7/8" (149)	3.41 (0.32)	0.91 (0.08)	54 1/16" (1373)	5.91 (0.55)
AAN2628	0.99 (0.09)	24 5/16" (618)	5 7/8" (149)	3.75 (0.35)	0.99 (0.09)	54 1/16" (1373)	6.35 (0.59)
AAN2828	1.08 (0.10)	26 5/16" (668)	5 7/8" (149)	4.07 (0.38)	1.08 (0.10)	54 1/16" (1373)	6.78 (0.63)
AAN21028	1.16 (0.11)	28 5/16" (719)	5 7/8" (149)	4.40 (0.41)	1.16 (0.11)	54 1/16" (1373)	7.22 (0.67)
AAN3028	1.24 (0.12)	30 5/16" (770)	5 7/8" (149)	4.73 (0.44)	1.24 (0.12)	54 1/16" (1373)	7.56 (0.70)
AAN3228	1.32 (0.12)	32 5/16" (821)	5 7/8" (149)	5.06 (0.47)	1.32 (0.12)	54 1/16" (1373)	8.08 (0.75)
AAN3428	1.40 (0.13)	34 5/16" (872)	5 7/8" (149)	5.39 (0.50)	1.40 (0.13)	54 1/16" (1373)	8.52 (0.79)
AAN3828	1.57 (0.15)	38 5/16" (973)	5 7/8" (149)	6.05 (0.56)	1.57 (0.15)	54 1/16" (1373)	9.39 (0.87)
AAN4028	1.73 (0.16)	42 5/16" (1075)	5 7/8" (149)	6.71 (0.62)	1.73 (0.16)	54 1/16" (1373)	10.25 (0.95)
AAN4428	1.90 (0.18)	46 5/16" (1176)	5 7/8" (149)	7.37 (0.68)	1.90 (0.18)	54 1/16" (1373)	11.12 (1.03)
AAN4828	2.06 (0.19)	50 5/16" (1278)	5 7/8" (149)	8.03 (0.75)	2.06 (0.19)	54 1/16" (1373)	11.99 (1.11)
AAN5028	2.22 (0.21)	54 5/16" (1380)	5 7/8" (149)	8.69 (0.81)	2.22 (0.21)	54 1/16" (1373)	12.86 (1.19)
AAN1830	0.59 (0.05)	14 5/16" (364)	5 7/8" (149)	2.43 (0.23)	0.59 (0.05)	50 1/16" (1272)	4.71 (0.44)
AAN2030	0.75 (0.07)	18 5/16" (465)	5 7/8" (149)	3.21 (0.30)	0.75 (0.07)	50 1/16" (1272)	5.69 (0.53)
AAN2430	0.91 (0.08)	22 5/16" (567)	5 7/8" (149)	3.98 (0.37)	0.91 (0.08)	50 1/16" (1272)	6.67 (0.62)
AAN2630	0.99 (0.09)	24 5/16" (618)	5 7/8" (149)	4.36 (0.41)	0.99 (0.09)	50 1/16" (1272)	7.16 (0.67)
AAN2830	1.08 (0.10)	26 5/16" (668)	5 7/8" (149)	4.75 (0.44)	1.08 (0.10)	50 1/16" (1272)	7.65 (0.71)
AAN21030	1.16 (0.11)	28 5/16" (719)	5 7/8" (149)	5.14 (0.48)	1.16 (0.11)	50 1/16" (1272)	8.14 (0.76)
AAN3030	1.24 (0.12)	30 5/16" (770)	5 7/8" (149)	5.52 (0.51)	1.24 (0.12)	50 1/16" (1272)	8.63 (0.80)
AAN3230	1.32 (0.12)	32 5/16" (821)	5 7/8" (149)	5.91 (0.55)	1.32 (0.12)	50 1/16" (1272)	9.12 (0.85)
AAN3430	1.40 (0.13)	34 5/16" (872)	5 7/8" (149)	6.29 (0.58)	1.40 (0.13)	50 1/16" (1272)	9.61 (0.89)
AAN3830	1.57 (0.15)	38 5/16" (973)	5 7/8" (149)	7.07 (0.66)	1.57 (0.15)	50 1/16" (1272)	10.59 (0.98)
AAN4030	1.73 (0.16)	42 5/16" (1075)	5 7/8" (149)	7.84 (0.73)	1.73 (0.16)	50 1/16" (1272)	11.57 (1.07)
AAN4430	1.90 (0.18)	46 5/16" (1176)	5 7/8" (149)	8.61 (0.80)	1.90 (0.18)	50 1/16" (1272)	12.55 (1.17)

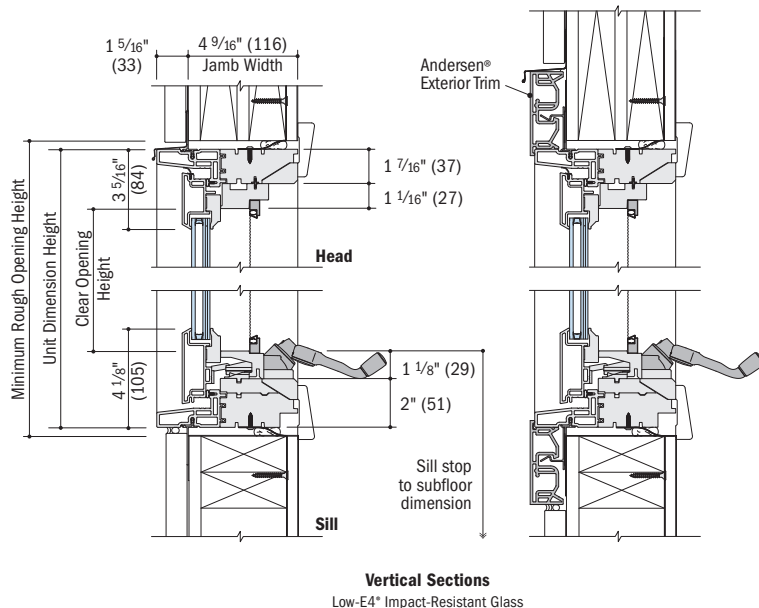
- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.

Awning Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



- 4 9/16" (116) jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.



See pages 49-51 for horizontal and vertical joining details.

Table of Double-Hung Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on the next page also apply to this page. Double-hung sizes on pages 31-32.

Unit Dimension	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-7 1/4" (794)	2'-9 1/4" (845)	2'-11 1/4" (895)	3'-1 1/4" (946)	3'-3 1/4" (997)	3'-7 1/4" (1099)	3'-11 1/4" (1200)	Cottage and reverse cottage sash are available based on a 60/40 proportion in all widths and heights up to 6'-7 1/4" (2013).
Minimum Rough Opening	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-6" (762)	2'-8" (813)	2'-10" (864)	3'-0" (914)	3'-2" (965)	3'-4" (1016)	3'-8" (1118)	4'-0" (1219)	
Unobstructed Glass (lower sash only)	12 5/8" (321)	16 5/8" (422)	20 5/8" (524)	22 5/8" (575)	24 5/8" (625)	26 5/8" (676)	28 5/8" (727)	30 5/8" (778)	32 5/8" (829)	36 5/8" (930)	40 5/8" (1032)	
CUSTOM WIDTHS — 1'-3 1/4" to 3'-11 1/4"												
CUSTOM HEIGHTS — 2'-3 1/4" to 7'-11 1/4"												40 60 60 40 Cottage Reverse Cottage
2'-11 1/4"	ADH1830	ADH2030	ADH2430	ADH2630	ADH2830	ADH21030	ADH3030	ADH3230	ADH3430	ADH3830	ADH4030	
3'-3 1/4"	ADH1834	ADH2034	ADH2434	ADH2634	ADH2834	ADH21034	ADH3034	ADH3234	ADH3434	ADH3834	ADH4034	
3'-7 1/4"	ADH1838	ADH2038	ADH2438	ADH2638	ADH2838	ADH21038	ADH3038	ADH3238	ADH3438	ADH3838	ADH4038	
3'-11 1/4"	ADH1840	ADH2040	ADH2440	ADH2640	ADH2840	ADH21040	ADH3040	ADH3240	ADH3440	ADH3840	ADH4040	
4'-3 1/4"	ADH1844	ADH2044	ADH2444	ADH2644	ADH2844	ADH21044	ADH3044	ADH3244	ADH3444	ADH3844	ADH4044	
4'-7 1/4"	ADH1848	ADH2048	ADH2448	ADH2648	ADH2848	ADH21048	ADH3048	ADH3248	ADH3448	ADH3848	ADH4048	
4'-11 1/4"	ADH1850	ADH2050	ADH2450	ADH2650	ADH2850	ADH21050	ADH3050	ADH3250°	ADH3450°	ADH3850°	ADH4050°	
5'-3 1/4"	ADH1854	ADH2054	ADH2454	ADH2654	ADH2854	ADH21054	ADH3054°	ADH3254°	ADH3454°	ADH3854°	ADH4054°†	
5'-7 1/4"	ADH1858	ADH2058	ADH2458	ADH2658	ADH2858	ADH21058°	ADH3058°	ADH3258°	ADH3458°	ADH3858°	ADH4058°†	
5'-11 1/4"	ADH1860	ADH2060	ADH2460	ADH2660	ADH2860°	ADH21060°	ADH3060°	ADH3260°	ADH3460°	ADH3860°†	ADH4060°†	
6'-3 1/4"	ADH1864	ADH2064	ADH2464	ADH2664°	ADH2864°	ADH21064°	ADH3064°	ADH3264°	ADH3464°†	ADH3864°†	ADH4064°†	

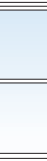
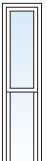
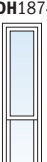
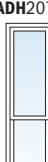
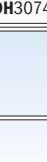
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Table of Double-Hung Window Sizes (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on this page also apply to the previous page. Double-hung sizes on pages 31-32.

Unit Dimension	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-7 1/4" (794)	2'-9 1/4" (845)	2'-11 1/4" (895)	3'-1 1/4" (946)	3'-3 1/4" (997)	3'-7 1/4" (1099)	3'-11 1/4" (1200)	Cottage and reverse cottage sash are available based on a 60/40 proportion in all widths and heights up to 6'-7 1/4" (2013).
Minimum Rough Opening	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-6" (762)	2'-8" (813)	2'-10" (864)	3'-0" (914)	3'-2" (965)	3'-4" (1016)	3'-8" (1118)	4'-0" (1219)	
Unobstructed Glass (lower sash only)	12 5/8" (321)	16 5/8" (422)	20 5/8" (524)	22 5/8" (575)	24 5/8" (625)	26 5/8" (676)	28 5/8" (727)	30 5/8" (778)	32 5/8" (829)	36 5/8" (930)	40 5/8" (1031)	
CUSTOM WIDTHS — 1'-3 1/4" to 3'-11 1/4"												
6'-7 1/4" (2013) 6'-8" (2032) 34 13/16" (884)												 40 60 60 40 Cottage Reverse Cottage
	ADH1868	ADH2068	ADH2468	ADH2668 [◊]	ADH2868 [◊]	ADH21068 [◊]	ADH3068 ^{◊†}	ADH3268 ^{◊†}	ADH3468 ^{◊††}	ADH3868 ^{◊††}	ADH4068 ^{◊††}	
7'-3 1/4" (2216) 7'-4" (2235) 38 13/16" (986)												
	ADH1874	ADH2074	ADH2474 [◊]	ADH2674 [◊]	ADH2874 [◊]	ADH21074 [◊]	ADH3074 [◊]	ADH3274 [◊]	ADH3474 [◊]	ADH3874 ^{◊†}	ADH4074 ^{◊†}	
7'-11 1/4" (2419) 8'-0" (2438) 42 13/16" (1087)												
	ADH1880	ADH2080	ADH2480 [◊]	ADH2680 [◊]	ADH2880 [◊]	ADH21080 [◊]	ADH3080 [◊]	ADH3280 ^{◊†}	ADH3480 ^{◊†}	ADH3880 ^{◊†}	ADH4080 ^{◊†}	

Double-Hung Window Opening and Area Specifications

Window Number	Clear Opening Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/ (mm)	Height Inches/ (mm)				
ADH1830	1.37 (0.13)	15 3/16" (386)	13" (330)	2.24 (1.38)	1.46 (0.14)	48 7/8" (1241)	4.71 (0.44)
ADH1834	1.58 (0.15)	15 3/16" (386)	15" (381)	2.59 (1.46)	1.67 (0.16)	44 7/8" (1140)	5.25 (0.49)
ADH1838	1.79 (0.17)	15 3/16" (386)	17" (432)	2.94 (1.63)	1.88 (0.17)	40 7/8" (1038)	5.78 (0.54)
ADH1840	2.00 (0.19)	15 3/16" (386)	19" (483)	3.29 (1.80)	2.09 (0.19)	36 7/8" (937)	6.32 (0.59)
ADH1844	2.21 (0.21)	15 3/16" (386)	21" (533)	3.64 (0.60)	2.30 (0.21)	32 7/8" (835)	6.85 (0.64)
ADH1848	2.42 (0.23)	15 3/16" (386)	23" (584)	3.99 (0.70)	2.51 (0.23)	28 7/8" (733)	7.39 (0.69)
ADH1850	2.64 (0.24)	15 3/16" (386)	25" (635)	4.34 (0.79)	2.72 (0.25)	24 7/8" (632)	7.92 (0.74)
ADH1854	2.85 (0.26)	15 3/16" (386)	27" (686)	4.69 (0.89)	2.94 (0.27)	20 7/8" (530)	8.46 (0.79)
ADH1858	3.06 (0.28)	15 3/16" (386)	29" (737)	5.04 (0.98)	3.15 (0.29)	16 7/8" (429)	8.99 (0.84)
ADH1860	3.27 (0.30)	15 3/16" (386)	31" (787)	5.39 (1.08)	3.36 (0.31)	12 7/8" (327)	9.52 (0.88)
ADH1864	3.48 (0.32)	15 3/16" (386)	33" (838)	5.74 (1.17)	3.56 (0.33)	8 7/8" (225)	10.06 (0.93)
ADH1868	3.69 (0.34)	15 3/16" (386)	35" (889)	6.09 (1.27)	3.78 (0.35)	*	10.59 (0.98)
ADH1874	4.11 (0.38)	15 3/16" (386)	39" (991)	6.79 (1.36)	4.20 (0.39)	*	11.66 (1.08)
ADH1880	4.53 (0.42)	15 3/16" (386)	43" (1092)	7.49 (1.45)	4.62 (0.43)	*	12.73 (1.18)
ADH2030	1.73 (0.16)	19 3/16" (487)	13" (330)	2.95 (1.55)	1.84 (0.17)	48 7/8" (1241)	5.69 (0.53)
ADH2034	2.00 (0.19)	19 3/16" (487)	15" (381)	3.41 (1.64)	2.11 (0.20)	44 7/8" (1140)	6.34 (0.59)
ADH2038	2.26 (0.21)	19 3/16" (487)	17" (432)	3.87 (1.83)	2.38 (0.22)	40 7/8" (1038)	6.98 (0.65)
ADH2040	2.53 (0.24)	19 3/16" (487)	19" (483)	4.33 (2.02)	2.64 (0.25)	36 7/8" (937)	7.63 (0.71)
ADH2044	2.80 (0.26)	19 3/16" (487)	21" (533)	4.80 (0.67)	2.91 (0.27)	32 7/8" (835)	8.27 (0.77)
ADH2048	3.06 (0.28)	19 3/16" (487)	23" (584)	5.26 (0.78)	3.18 (0.29)	28 7/8" (733)	8.92 (0.83)
ADH2050	3.33 (0.31)	19 3/16" (487)	25" (635)	5.72 (0.88)	3.44 (0.32)	24 7/8" (632)	9.57 (0.89)
ADH2054	3.60 (0.33)	19 3/16" (487)	27" (686)	6.18 (0.98)	3.71 (0.34)	20 7/8" (530)	10.21 (0.95)
ADH2058	3.86 (0.36)	19 3/16" (487)	29" (737)	6.64 (1.09)	3.98 (0.37)	16 7/8" (429)	10.86 (1.01)
ADH2060	4.13 (0.38)	19 3/16" (487)	31" (787)	7.10 (1.19)	4.24 (0.39)	12 7/8" (327)	11.50 (1.07)
ADH2064	4.40 (0.41)	19 3/16" (487)	33" (838)	7.56 (1.30)	4.50 (0.42)	8 7/8" (225)	12.15 (1.13)
ADH2068	4.66 (0.43)	19 3/16" (487)	35" (889)	8.02 (1.40)	4.77 (0.44)	*	12.80 (1.19)
ADH2074	5.20 (0.48)	19 3/16" (487)	39" (991)	8.95 (1.51)	5.30 (0.49)	*	14.09 (1.31)
ADH2080	5.73 (0.53)	19 3/16" (487)	43" (1092)	9.87 (1.61)	5.84 (0.54)	*	15.38 (1.43)
ADH2430	2.09 (0.19)	23 3/16" (589)	13" (330)	3.66 (1.72)	2.23 (0.21)	48 7/8" (1241)	6.67 (0.62)
ADH2434	2.41 (0.22)	23 3/16" (589)	15" (381)	4.24 (1.82)	2.55 (0.24)	44 7/8" (1140)	7.43 (0.69)
ADH2438	2.73 (0.25)	23 3/16" (589)	17" (432)	4.81 (2.03)	2.87 (0.27)	40 7/8" (1038)	8.18 (0.76)
ADH2440	3.06 (0.28)	23 3/16" (589)	19" (483)	5.38 (2.24)	3.19 (0.30)	36 7/8" (937)	8.94 (0.83)
ADH2444	3.38 (0.31)	23 3/16" (589)	21" (533)	5.95 (0.55)	3.51 (0.33)	32 7/8" (835)	9.70 (0.90)
ADH2448	3.70 (0.34)	23 3/16" (589)	23" (584)	6.52 (0.61)	3.84 (0.36)	28 7/8" (733)	10.46 (0.97)
ADH2450	4.02 (0.37)	23 3/16" (589)	25" (635)	7.10 (0.66)	4.16 (0.39)	24 7/8" (632)	11.21 (1.04)
ADH2454	4.35 (0.40)	23 3/16" (589)	27" (686)	7.67 (0.71)	4.48 (0.42)	20 7/8" (530)	11.97 (1.11)
ADH2458	4.67 (0.43)	23 3/16" (589)	29" (737)	8.24 (0.77)	4.80 (0.45)	16 7/8" (429)	12.73 (1.18)
ADH2460	4.99 (0.46)	23 3/16" (589)	31" (787)	8.81 (0.82)	5.13 (0.48)	12 7/8" (327)	13.48 (1.25)
ADH2464	5.31 (0.49)	23 3/16" (589)	33" (838)	9.39 (0.87)	5.44 (0.51)	8 7/8" (225)	14.24 (1.32)
ADH2468	5.63 (0.52)	23 3/16" (589)	35" (889)	9.96 (0.93)	5.76 (0.54)	*	15.00 (1.39)
ADH2474 ♦	6.28 (0.58)	23 3/16" (589)	39" (991)	11.10 (1.03)	6.41 (0.60)	*	16.51 (1.53)
ADH2480 ♦	6.92 (0.64)	23 3/16" (589)	43" (1092)	12.25 (1.14)	7.05 (0.66)	*	18.02 (1.67)
ADH2630	2.27 (0.21)	25 3/16" (640)	13" (330)	4.02 (0.37)	2.42 (0.22)	48 7/8" (1241)	7.16 (0.67)
ADH2634	2.62 (0.24)	25 3/16" (640)	15" (381)	4.65 (0.43)	2.77 (0.26)	44 7/8" (1140)	7.97 (0.74)
ADH2638	2.97 (0.28)	25 3/16" (640)	17" (432)	5.27 (0.49)	3.12 (0.29)	40 7/8" (1038)	8.79 (0.82)
ADH2640	3.32 (0.31)	25 3/16" (640)	19" (483)	5.90 (0.55)	3.47 (0.32)	36 7/8" (937)	9.60 (0.89)
ADH2644	3.67 (0.34)	25 3/16" (640)	21" (533)	6.53 (0.61)	3.82 (0.35)	32 7/8" (835)	10.41 (0.97)
ADH2648	4.02 (0.37)	25 3/16" (640)	23" (584)	7.16 (0.66)	4.17 (0.39)	28 7/8" (733)	11.22 (1.04)
ADH2650	4.37 (0.41)	25 3/16" (640)	25" (635)	7.79 (0.72)	4.52 (0.42)	24 7/8" (632)	12.04 (1.12)
ADH2654	4.72 (0.44)	25 3/16" (640)	27" (686)	8.41 (0.78)	4.87 (0.45)	20 7/8" (530)	12.85 (1.19)
ADH2658	5.07 (0.47)	25 3/16" (640)	29" (737)	9.04 (0.84)	5.22 (0.48)	16 7/8" (429)	13.66 (1.27)
ADH2660	5.42 (0.50)	25 3/16" (640)	31" (787)	9.67 (0.90)	5.57 (0.52)	12 7/8" (327)	14.47 (1.34)
ADH2664 ♦	5.77 (0.54)	25 3/16" (640)	33" (838)	10.30 (0.96)	5.91 (0.55)	8 7/8" (225)	15.29 (1.42)
ADH2668 ♦	6.12 (0.57)	25 3/16" (640)	35" (889)	10.92 (1.01)	6.26 (0.58)	*	16.10 (1.50)
ADH2674 ♦	6.82 (0.63)	25 3/16" (640)	39" (991)	12.18 (1.13)	6.96 (0.65)	*	17.72 (1.65)
ADH2680 ♦	7.52 (0.70)	25 3/16" (640)	43" (1092)	13.44 (1.25)	7.66 (0.71)	*	19.35 (1.80)
ADH2830	2.45 (0.23)	27 3/16" (691)	13" (330)	4.37 (0.41)	2.61 (0.24)	48 7/8" (1241)	7.65 (0.71)
ADH2834	2.83 (0.26)	27 3/16" (691)	15" (381)	5.06 (0.47)	2.99 (0.28)	44 7/8" (1140)	8.52 (0.79)
ADH2838	3.21 (0.30)	27 3/16" (691)	17" (432)	5.74 (0.53)	3.37 (0.31)	40 7/8" (1038)	9.39 (0.87)
ADH2840	3.58 (0.33)	27 3/16" (691)	19" (483)	6.42 (0.60)	3.74 (0.35)	36 7/8" (937)	10.25 (0.95)
ADH2844	3.96 (0.37)	27 3/16" (691)	21" (533)	7.11 (0.66)	4.12 (0.38)	32 7/8" (835)	11.12 (1.03)

For cottage and reverse cottage sash window opening specifications contact your Andersen supplier.

- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.
- ♦ Meet or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).
- * Dimension varies depending on header height.

continued on next page

Double-Hung Window Opening and Area Specifications *(continued)*

Window Number	Clear Opening Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/ (mm)	Height Inches/ (mm)				
ADH2848	4.34 (0.40)	27 3/16" (691)	23" (584)	7.79 (0.72)	4.50 (0.42)	28 7/8" (733)	11.99 (1.11)
ADH2850	4.72 (0.44)	27 3/16" (691)	25" (635)	8.47 (0.79)	4.88 (0.45)	24 7/8" (632)	12.86 (1.19)
ADH2854	5.10 (0.47)	27 3/16" (691)	27" (686)	9.16 (0.85)	5.25 (0.49)	20 7/8" (530)	13.73 (1.28)
ADH2858	5.47 (0.51)	27 3/16" (691)	29" (737)	9.84 (0.91)	5.63 (0.52)	16 7/8" (429)	14.59 (1.36)
ADH2860 ◊	5.85 (0.54)	27 3/16" (691)	31" (787)	10.52 (0.98)	6.01 (0.56)	12 7/8" (327)	15.46 (1.44)
ADH2864 ◊	6.23 (0.58)	27 3/16" (691)	33" (838)	11.21 (1.04)	6.38 (0.59)	8 7/8" (225)	16.33 (1.52)
ADH2868 ◊	6.61 (0.61)	27 3/16" (691)	35" (889)	11.89 (1.10)	6.76 (0.63)	*	17.20 (1.60)
ADH2874 ◊	7.36 (0.68)	27 3/16" (691)	39" (991)	13.26 (1.23)	7.51 (0.70)	*	18.93 (1.76)
ADH2880 ◊	8.12 (0.75)	27 3/16" (691)	43" (1092)	14.62 (1.36)	8.27 (0.77)	*	20.67 (1.92)
ADH21030	2.63 (0.24)	29 3/16" (741)	13" (330)	4.73 (0.44)	2.80 (0.26)	48 7/8" (1241)	8.14 (0.76)
ADH21034	3.04 (0.28)	29 3/16" (741)	15" (381)	5.47 (0.51)	3.21 (0.30)	44 7/8" (1140)	9.06 (0.84)
ADH21038	3.44 (0.32)	29 3/16" (741)	17" (432)	6.21 (0.58)	3.61 (0.34)	40 7/8" (1038)	9.99 (0.93)
ADH21040	3.85 (0.36)	29 3/16" (741)	19" (483)	6.95 (0.65)	4.02 (0.37)	36 7/8" (937)	10.91 (1.01)
ADH21044	4.25 (0.40)	29 3/16" (741)	21" (533)	7.69 (0.71)	4.42 (0.41)	32 7/8" (835)	11.83 (1.10)
ADH21048	4.66 (0.43)	29 3/16" (741)	23" (584)	8.42 (0.78)	4.83 (0.45)	28 7/8" (733)	12.76 (1.19)
ADH21050	5.06 (0.47)	29 3/16" (741)	25" (635)	9.16 (0.85)	5.24 (0.49)	24 7/8" (632)	13.68 (1.27)
ADH21054	5.47 (0.51)	29 3/16" (741)	27" (686)	9.90 (0.92)	5.64 (0.52)	20 7/8" (530)	14.60 (1.36)
ADH21058 ◊	5.88 (0.55)	29 3/16" (741)	29" (737)	10.64 (0.99)	6.05 (0.56)	16 7/8" (429)	15.53 (1.44)
ADH21060 ◊	6.28 (0.58)	29 3/16" (741)	31" (787)	11.38 (1.06)	6.45 (0.60)	12 7/8" (327)	16.45 (1.53)
ADH21064 ◊	6.69 (0.62)	29 3/16" (741)	33" (838)	12.12 (1.13)	6.85 (0.64)	8 7/8" (225)	17.38 (1.61)
ADH21068 ◊	7.09 (0.66)	29 3/16" (741)	35" (889)	12.86 (1.19)	7.25 (0.67)	*	18.30 (1.70)
ADH21074 ◊	7.90 (0.73)	29 3/16" (741)	39" (991)	14.34 (1.33)	8.07 (0.75)	*	20.15 (1.87)
ADH21080 ◊	8.71 (0.81)	29 3/16" (741)	43" (1092)	15.81 (1.47)	8.88 (0.82)	*	21.99 (2.04)
ADH3030	2.81 (0.26)	31 3/16" (792)	13" (330)	5.09 (0.47)	2.99 (0.28)	48 7/8" (1241)	8.63 (0.80)
ADH3034	3.25 (0.30)	31 3/16" (792)	15" (381)	5.88 (0.55)	3.43 (0.32)	44 7/8" (1140)	9.61 (0.89)
ADH3038	3.68 (0.34)	31 3/16" (792)	17" (432)	6.67 (0.62)	3.86 (0.36)	40 7/8" (1038)	10.59 (0.98)
ADH3040	4.11 (0.38)	31 3/16" (792)	19" (483)	7.47 (0.69)	4.29 (0.40)	36 7/8" (937)	11.57 (1.07)
ADH3044	4.54 (0.42)	31 3/16" (792)	21" (533)	8.26 (0.77)	4.73 (0.44)	32 7/8" (835)	12.55 (1.17)
ADH3048	4.98 (0.46)	31 3/16" (792)	23" (584)	9.06 (0.84)	5.16 (0.48)	28 7/8" (733)	13.52 (1.26)
ADH3050	5.41 (0.50)	31 3/16" (792)	25" (635)	9.85 (0.92)	5.59 (0.52)	24 7/8" (632)	14.50 (1.35)
ADH3054 ◊	5.84 (0.54)	31 3/16" (792)	27" (686)	10.65 (0.99)	6.03 (0.56)	20 7/8" (530)	15.48 (1.44)
ADH3058 ◊	6.28 (0.58)	31 3/16" (792)	29" (737)	11.44 (1.06)	6.46 (0.60)	16 7/8" (429)	16.46 (1.53)
ADH3060 ◊	6.71 (0.62)	31 3/16" (792)	31" (787)	12.24 (1.14)	6.89 (0.64)	12 7/8" (327)	17.44 (1.62)
ADH3064 ◊	7.14 (0.66)	31 3/16" (792)	33" (838)	13.03 (1.21)	7.32 (0.68)	8 7/8" (225)	18.42 (1.71)
ADH3068 ◊	7.58 (0.70)	31 3/16" (792)	35" (889)	13.82 (1.28)	7.75 (0.72)	*	19.40 (1.80)
ADH3074 ◊	8.44 (0.78)	31 3/16" (792)	39" (991)	15.41 (1.43)	8.62 (0.80)	*	21.36 (1.98)
ADH3080 ◊	9.31 (0.86)	31 3/16" (792)	43" (1092)	17.00 (1.58)	9.48 (0.88)	*	23.32 (2.17)
ADH3230	2.99 (0.28)	33 3/16" (843)	13" (330)	5.44 (0.51)	3.19 (0.30)	48 7/8" (1241)	9.12 (0.85)
ADH3234	3.45 (0.32)	33 3/16" (843)	15" (381)	6.29 (0.58)	3.65 (0.34)	44 7/8" (1140)	10.15 (0.94)
ADH3238	3.91 (0.36)	33 3/16" (843)	17" (432)	7.14 (0.66)	4.11 (0.38)	40 7/8" (1038)	11.19 (1.04)
ADH3240	4.38 (0.41)	33 3/16" (843)	19" (483)	7.99 (0.74)	4.57 (0.42)	36 7/8" (937)	12.22 (1.14)
ADH3244	4.84 (0.45)	33 3/16" (843)	21" (533)	8.84 (0.82)	5.03 (0.47)	32 7/8" (835)	13.26 (1.23)
ADH3248	5.30 (0.49)	33 3/16" (843)	23" (584)	9.69 (0.90)	5.49 (0.51)	28 7/8" (733)	14.29 (1.33)
ADH3250 ◊	5.76 (0.53)	33 3/16" (843)	25" (635)	10.54 (0.98)	5.95 (0.55)	24 7/8" (632)	15.33 (1.42)
ADH3254 ◊	6.22 (0.58)	33 3/16" (843)	27" (686)	11.39 (1.06)	6.41 (0.60)	20 7/8" (530)	16.36 (1.52)
ADH3258 ◊	6.68 (0.62)	33 3/16" (843)	29" (737)	12.24 (1.14)	6.87 (0.64)	16 7/8" (429)	17.40 (1.62)
ADH3260 ◊	7.14 (0.66)	33 3/16" (843)	31" (787)	13.09 (1.22)	7.34 (0.68)	12 7/8" (327)	18.43 (1.71)
ADH3264 ◊	7.60 (0.71)	33 3/16" (843)	33" (838)	13.94 (1.30)	7.79 (0.72)	8 7/8" (225)	19.47 (1.81)
ADH3268 ◊	8.06 (0.75)	33 3/16" (843)	35" (889)	14.79 (1.37)	8.25 (0.77)	*	20.50 (1.90)
ADH3274 ◊	8.99 (0.83)	33 3/16" (843)	39" (991)	16.49 (1.53)	9.17 (0.85)	*	22.57 (2.10)
ADH3280 ◊*	5.65 (0.52)	33 3/16" (843)	24 1/2" (622)	18.19 (1.69)	10.09 (0.94)	*	24.64 (2.29)
ADH3430	3.17 (0.29)	35 3/16" (894)	13" (330)	5.80 (0.54)	3.38 (0.31)	48 7/8" (1241)	9.61 (0.89)
ADH3434	3.66 (0.34)	35 3/16" (894)	15" (381)	6.70 (0.62)	3.87 (0.36)	44 7/8" (1140)	10.70 (0.99)
ADH3438	4.15 (0.39)	35 3/16" (894)	17" (432)	7.61 (0.71)	4.36 (0.40)	40 7/8" (1038)	11.79 (1.10)
ADH3440	4.64 (0.43)	35 3/16" (894)	19" (483)	8.51 (0.79)	4.84 (0.45)	36 7/8" (937)	12.88 (1.20)
ADH3444	5.13 (0.48)	35 3/16" (894)	21" (533)	9.42 (0.87)	5.33 (0.50)	32 7/8" (835)	13.97 (1.30)
ADH3448	5.62 (0.52)	35 3/16" (894)	23" (584)	10.32 (0.96)	5.82 (0.54)	28 7/8" (733)	15.06 (1.40)
ADH3450 ◊	6.11 (0.57)	35 3/16" (894)	25" (635)	11.23 (1.04)	6.31 (0.59)	24 7/8" (632)	16.15 (1.50)
ADH3454 ◊	6.59 (0.61)	35 3/16" (894)	27" (686)	12.14 (1.13)	6.80 (0.63)	20 7/8" (530)	17.24 (1.60)
ADH3458 ◊	7.08 (0.66)	35 3/16" (894)	29" (737)	13.04 (1.21)	7.29 (0.68)	16 7/8" (429)	18.33 (1.70)
ADH3460 ◊	7.57 (0.70)	35 3/16" (894)	31" (787)	13.95 (1.30)	7.78 (0.72)	12 7/8" (327)	19.42 (1.80)

For cottage and reverse cottage sash window opening specifications contact your Andersen supplier.

- *Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.
- ◊Meet or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).
- +Equal sash limited travel.
- *Dimension varies depending on header height.

continued on next page

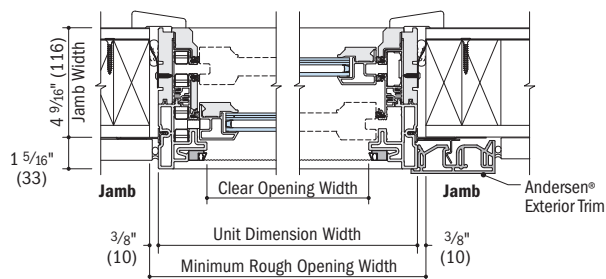
Double-Hung Window Opening and Area Specifications (continued)

Window Number	Clear Opening Sq. Ft./ ^(m²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ ^(m²)	Vent Sq. Ft./ ^(m²)	Top of Subfloor to Top of Inside Sill Stop Inches/ ^(mm)	Overall Window Area Sq. Ft./ ^(m²)
		Width Inches/ ^(mm)	Height Inches/ ^(mm)				
ADH3464 ◊	8.06 (0.75)	35 3/16" (894)	33" (838)	14.85 (1.38)	8.26 (0.77)	8 7/8" (225)	20.51 (1.91)
ADH3468 ◊	8.55 (0.79)	35 3/16" (894)	35" (889)	15.76 (1.46)	8.74 (0.81)	*	21.60 (2.01)
ADH3474 ◊	9.53 (0.89)	35 3/16" (894)	39" (991)	17.57 (1.63)	9.72 (0.90)	*	23.78 (2.21)
ADH3480 ◊*	5.99 (0.56)	35 3/16" (894)	24 1/2" (622)	19.38 (1.80)	10.70 (0.99)	*	25.96 (2.41)
ADH3830	3.53 (0.33)	39 3/16" (995)	13" (330)	6.51 (0.60)	3.76 (0.35)	48 7/8" (1241)	10.59 (0.98)
ADH3834	4.08 (0.38)	39 3/16" (995)	15" (381)	7.52 (0.70)	4.31 (0.40)	44 7/8" (1140)	11.79 (1.10)
ADH3838	4.62 (0.43)	39 3/16" (995)	17" (432)	8.54 (0.79)	4.85 (0.45)	40 7/8" (1038)	12.99 (1.21)
ADH3840	5.17 (0.48)	39 3/16" (995)	19" (483)	9.56 (0.89)	5.40 (0.50)	36 7/8" (937)	14.19 (1.32)
ADH3844	5.71 (0.53)	39 3/16" (995)	21" (533)	10.57 (0.98)	5.94 (0.55)	32 7/8" (835)	15.39 (1.43)
ADH3848	6.25 (0.58)	39 3/16" (995)	23" (584)	11.59 (1.08)	6.48 (0.60)	28 7/8" (733)	16.59 (1.54)
ADH3850 ◊	6.80 (0.63)	39 3/16" (995)	25" (635)	12.61 (1.17)	7.03 (0.65)	24 7/8" (632)	17.80 (1.65)
ADH3854 ◊	7.34 (0.68)	39 3/16" (995)	27" (686)	13.62 (1.27)	7.57 (0.70)	20 7/8" (530)	19.00 (1.77)
ADH3858 ◊	7.89 (0.73)	39 3/16" (995)	29" (737)	14.64 (1.36)	8.12 (0.75)	16 7/8" (429)	20.20 (1.88)
ADH3860 ◊	8.43 (0.78)	39 3/16" (995)	31" (787)	15.66 (1.45)	8.66 (0.80)	12 7/8" (327)	21.40 (1.99)
ADH3864 ◊	8.98 (0.83)	39 3/16" (995)	33" (838)	16.67 (1.55)	9.19 (0.85)	8 7/8" (225)	22.60 (2.10)
ADH3868 ◊	9.52 (0.88)	39 3/16" (995)	39" (991)	17.69 (1.64)	9.74 (0.90)	*	23.80 (2.21)
ADH3874 ◊*	6.67 (0.62)	39 3/16" (995)	24 1/2" (622)	19.72 (1.83)	10.83 (1.01)	*	26.21 (2.43)
ADH3880 ◊*	6.67 (0.62)	39 3/16" (995)	24 1/2" (622)	21.76 (2.02)	11.92 (1.11)	*	28.61 (2.66)
ADH4030	3.89 (0.36)	43 3/16" (1097)	13" (330)	7.22 (0.67)	4.15 (0.39)	48 7/8" (1241)	11.57 (1.07)
ADH4034	4.49 (0.42)	43 3/16" (1097)	15" (381)	8.35 (0.78)	4.75 (0.44)	44 7/8" (1140)	12.88 (1.20)
ADH4038	5.09 (0.47)	43 3/16" (1097)	17" (432)	9.47 (0.88)	5.35 (0.50)	40 7/8" (1038)	14.19 (1.32)
ADH4040	5.69 (0.53)	43 3/16" (1097)	19" (483)	10.60 (0.98)	5.95 (0.55)	36 7/8" (937)	15.50 (1.44)
ADH4044	6.29 (0.58)	43 3/16" (1097)	21" (533)	11.73 (1.09)	6.55 (0.61)	32 7/8" (835)	16.82 (1.56)
ADH4048	6.89 (0.64)	43 3/16" (1097)	23" (584)	12.86 (1.19)	7.15 (0.66)	28 7/8" (733)	18.13 (1.68)
ADH4050 ◊	7.49 (0.70)	43 3/16" (1097)	25" (635)	13.99 (1.30)	7.75 (0.72)	24 7/8" (632)	19.44 (1.81)
ADH4054 ◊	8.09 (0.75)	43 3/16" (1097)	27" (686)	15.11 (1.40)	8.35 (0.78)	20 7/8" (530)	20.75 (1.93)
ADH4058 ◊	8.69 (0.81)	43 3/16" (1097)	29" (737)	16.24 (1.51)	8.95 (0.83)	16 7/8" (429)	22.07 (2.05)
ADH4060 ◊	9.29 (0.86)	43 3/16" (1097)	31" (787)	17.37 (1.61)	9.55 (0.89)	12 7/8" (327)	23.38 (2.17)
ADH4064 ◊*	7.35 (0.68)	43 3/16" (1097)	24 1/2" (622)	18.50 (1.72)	10.13 (0.94)	8 7/8" (225)	24.96 (2.32)
ADH4068 ◊*	7.35 (0.68)	43 3/16" (1097)	24 1/2" (622)	19.62 (1.82)	10.73 (1.00)	*	26.00 (2.42)
ADH4074 ◊*	7.35 (0.68)	43 3/16" (1097)	24 1/2" (622)	21.88 (2.03)	11.93 (1.11)	*	28.63 (2.66)
ADH4080 ◊*	7.35 (0.68)	43 3/16" (1097)	24 1/2" (622)	24.14 (2.24)	13.13 (1.22)	*	31.25 (2.90)

For cottage and reverse cottage sash window opening specifications contact your Andersen supplier.

- *Top of Subfloor to Top of Inside Sill Stop is calculated based upon a structural header height of 6'-10 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.
- ◊Meet or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).
- +Equal sash limited travel.
- *Dimension varies depending on header height.

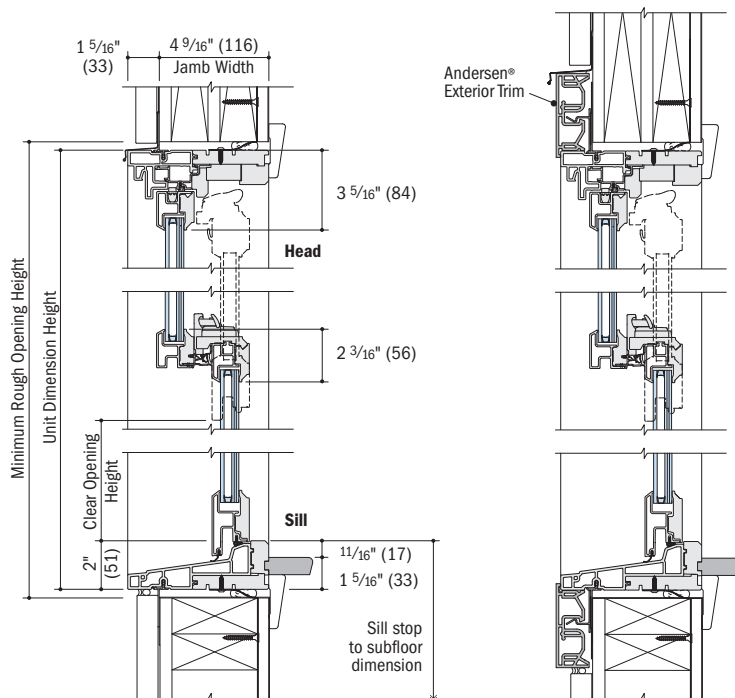
Double-Hung Window Details Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Horizontal Section
Low-E4* Impact-Resistant Glass

See pages 49-51 for horizontal and vertical joining details.

- 4 9/16" (116) jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.



Vertical Sections
Low-E4* Impact-Resistant Glass

Table of Picture Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-3 1/4"	1'-7 1/4"	1'-11 1/4"	2'-3 1/4"	2'-5 1/4"	2'-7 1/4"	2'-9 1/4"	2'-11 1/4"	3'-1 1/4"	3'-3 1/4"	3'-7 1/4"	3'-11 1/4"
	(387)	(489)	(591)	(692)	(743)	(794)	(845)	(895)	(946)	(997)	(1099)	(1200)
Minimum Rough Opening	1'-4"	1'-8"	2'-0"	2'-4"	2'-6"	2'-8"	2'-10"	3'-0"	3'-2"	3'-4"	3'-8"	4'-0"
	(406)	(508)	(610)	(711)	(762)	(813)	(864)	(914)	(965)	(1016)	(1118)	(1219)
Unobstructed Glass	8 5/8"	12 5/8"	16 5/8"	20 5/8"	22 5/8"	24 5/8"	26 5/8"	28 5/8"	30 5/8"	32 5/8"	36 5/8"	40 5/8"
	(219)	(321)	(422)	(524)	(575)	(625)	(676)	(727)	(778)	(829)	(930)	(1032)

CUSTOM WIDTHS – 1'-3 1/4" to 5'-11 1/4"												
CUSTOM HEIGHTS – 1'-11 1/4" to 7'-11 1/4"												
	1'-11 1/4"	2'-0"	2'-4"	2'-6"	2'-8"	2'-10"	3'-0"	3'-2"	3'-4"	3'-8"	4'-0"	4'-4"
1'-11 1/4"	APW1420	APW1820	APW2020	APW2420	APW2620	APW2820	APW21020	APW3020	APW3220	APW3420	APW3820	APW4020
2'-0"	APW1424	APW1824	APW2024	APW2424	APW2624	APW2824	APW21024	APW3024	APW3224	APW3424	APW3824	APW4024
2'-4"	APW1428	APW1828	APW2028	APW2428	APW2628	APW2828	APW21028	APW3028	APW3228	APW3428	APW3828	APW4028
2'-6"	APW1430	APW1830	APW2030	APW2430	APW2630	APW2830	APW21030	APW3030	APW3230	APW3430	APW3830	APW4030
2'-8"	APW1434	APW1834	APW2034	APW2434	APW2634	APW2834	APW21034	APW3034	APW3234	APW3434	APW3834	APW4034
2'-10"	APW1438	APW1838	APW2038	APW2438	APW2638	APW2838	APW21038	APW3038	APW3238	APW3438	APW3838	APW4038
3'-0"	APW1440	APW1840	APW2040	APW2440	APW2640	APW2840	APW21040	APW3040	APW3240	APW3440	APW3840	APW4040
3'-2"	APW1444	APW1844	APW2044	APW2444	APW2644	APW2844	APW21044	APW3044	APW3244	APW3444	APW3844	APW4044
3'-4"	APW1448	APW1848	APW2048	APW2448	APW2648	APW2848	APW21048	APW3048	APW3248	APW3448	APW3848	APW4048
3'-8"	APW1450	APW1850	APW2050	APW2450	APW2650	APW2850	APW21050	APW3050	APW3250	APW3450	APW3850	APW4050
4'-0"	APW1454	APW1854	APW2054	APW2454	APW2654	APW2854	APW21054	APW3054	APW3254	APW3454	APW3854	APW4054
4'-4"	APW1458	APW1858	APW2058	APW2458	APW2658	APW2858	APW21058	APW3058	APW3258	APW3458	APW3858	APW4058

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.

Notes on this page also apply to the previous page. Picture sizes on pages 36-39.

4'-3 1/4" (1302)	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	5'-11 1/4" (1810)
4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
44 5/8" (1133)	48 5/8" (1235)	52 5/8" (1337)	56 5/8" (1438)	60 5/8" (1540)	64 5/8" (1641)



Custom-size windows are available in 1/8" (3) increments. See page 53 for custom sizes and specifications.

Grille patterns shown on page 41.

APW4420	APW4820	APW5020	APW5420	APW5820	APW6020
APW4424	APW4824	APW5024	APW5424	APW5824	APW6024
APW4428	APW4828	APW5028	APW5428	APW5828	APW6028
APW4430	APW4830	APW5030	APW5430	APW5830	APW6030
APW4434	APW4834	APW5034	APW5434	APW5834	APW6034
APW4438	APW4838	APW5038	APW5438	APW5838	APW6038
APW4440	APW4840	APW5040	APW5440	APW5840	APW6040
APW4444	APW4844	APW5044	APW5444	APW5844	APW6044
APW4448	APW4848	APW5048	APW5448	APW5848	APW6048
APW4450	APW4850	APW5050	APW5450	APW5850	APW6050
APW4454	APW4854	APW5054	APW5454	APW5854	APW6054
APW4458	APW4858	APW5058	APW5458	APW5858	APW6058

continued on next page

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.

Scale $\frac{1}{8}"$ (3) = 1'-0" (305) – 1:96

Window Dimension	1'-3 3/4" (387)	1'-7 7/4" (489)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-7 1/4" (794)	2'-9 1/4" (845)	2'-11 1/4" (895)	3'-1 1/4" (946)	3'-3 1/4" (997)	3'-7 1/4" (1099)	3'-11 1/4" (1200)
Minimum Rough Opening	1'-4" (406)	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-6" (762)	2'-8" (813)	2'-10" (864)	3'-0" (914)	3'-2" (965)	3'-4" (1016)	3'-8" (1118)	4'-0" (1219)
Unobstructed Glass	8 5/8" (219)	12 5/8" (321)	16 5/8" (422)	20 5/8" (524)	22 5/8" (575)	24 5/8" (625)	26 5/8" (676)	28 5/8" (727)	30 5/8" (778)	32 5/8" (829)	36 5/8" (930)	40 5/8" (1032)

CUSTOM HEIGHTS – 1'-11 1/4" to 7'-11 1/4"

CUSTOM HEIGHTS — 1'-11 1/4" to 7'-11 1/4"														
5'-11 1/4" (1810)	6'-0" (1829)	63 13/16" (1621)	APW1460	APW1860	APW2060	APW2460	APW2660	APW2860	APW21060	APW3060	APW3260	APW3460	APW3860	APW4060
6'-3 1/4" (1911)	6'-4" (1930)	67 13/16" (1722)	APW1464	APW1864	APW2064	APW2464	APW2664	APW2864	APW21064	APW3064	APW3264	APW3464	APW3864	APW4064
6'-7 1/4" (2013)	6'-8" (2032)	71 13/16" (1824)	APW1468	APW1868	APW2068	APW2468	APW2668	APW2868	APW21068	APW3068	APW3268	APW3468	APW3868	APW4068
7'-3 1/4" (2216)	7'-4" (2235)	79 13/16" (2027)	APW1474	APW1874	APW2074	APW2474	APW2674	APW2874	APW21074	APW3074	APW3274	APW3474	APW3874	APW4074
7'-11 1/4" (2419)	8'-0" (2438)	87 13/16" (2230)	APW1480	APW1880	APW2080	APW2480	APW2680	APW2880	APW21080	APW3080	APW3280	APW3480	APW3880	APW4080

Window Number	Glass Area Sq. Ft./(m ²)	Overall Window Area Sq. Ft./(m ²)
APW1420	0.94 (0.09)	2.46 (0.23)
APW1424	1.18 (0.11)	2.89 (0.27)
APW1428	1.42 (0.13)	3.31 (0.31)
APW1430	1.66 (0.15)	3.73 (0.35)
APW1434	1.90 (0.18)	4.16 (0.39)
APW1438	2.14 (0.20)	4.58 (0.43)
APW1440	2.38 (0.22)	5.00 (0.46)
APW1444	2.62 (0.24)	5.43 (0.50)
APW1448	2.85 (0.26)	5.85 (0.54)
APW1450	3.09 (0.29)	6.27 (0.58)
APW1454	3.33 (0.31)	6.70 (0.62)
APW1458	3.57 (0.33)	7.12 (0.66)
APW1460	3.81 (0.35)	7.55 (0.70)
APW1464	4.05 (0.38)	7.97 (0.74)
APW1468	4.29 (0.40)	8.39 (0.78)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
APW1474	4.77 (0.44)	9.24 (0.86)
APW1480	5.24 (0.49)	10.09 (0.94)
APW1820	1.38 (0.13)	3.11 (0.29)
APW1824	1.73 (0.16)	3.64 (0.34)
APW1828	2.08 (0.19)	4.18 (0.39)
APW1830	2.43 (0.23)	4.71 (0.44)
APW1834	2.78 (0.26)	5.25 (0.49)
APW1838	3.13 (0.29)	5.78 (0.54)
APW1840	3.48 (0.32)	6.32 (0.59)
APW1844	3.83 (0.36)	6.85 (0.64)
APW1848	4.18 (0.39)	7.39 (0.69)
APW1850	4.53 (0.42)	7.92 (0.74)
APW1854	4.88 (0.45)	8.46 (0.79)
APW1858	5.23 (0.49)	8.99 (0.84)
APW1860	5.58 (0.52)	9.52 (0.88)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
APW1864	5.93 (0.55)	10.06 (0.93)
APW1868	6.28 (0.58)	10.59 (0.98)
APW1874	6.98 (0.65)	11.66 (1.08)
APW1880	7.68 (0.71)	12.73 (1.18)
APW2020	1.82 (0.17)	3.75 (0.35)
APW2024	2.28 (0.21)	4.40 (0.41)
APW2028	2.74 (0.25)	5.05 (0.47)
APW2030	3.20 (0.30)	5.69 (0.53)
APW2034	3.67 (0.34)	6.34 (0.59)
APW2038	4.13 (0.38)	6.98 (0.65)
APW2040	4.59 (0.43)	7.63 (0.71)
APW2044	5.05 (0.47)	8.27 (0.77)
APW2048	5.51 (0.51)	8.92 (0.83)
APW2050	5.97 (0.55)	9.57 (0.89)

- Dimensions in parentheses are in square meters.

continued on next page

Notes on this page also apply to the previous page. Picture sizes on pages 36-39.

4'-3 1/4" (1302)	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	5'-11 1/4" (1810)
4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
44 5/8" (1133)	48 5/8" (1235)	52 5/8" (1337)	56 5/8" (1438)	60 5/8" (1540)	64 5/8" (1641)



Custom-size windows are available in 1/8" (3) increments. See page 53 for custom sizes and specifications.

Grille patterns shown on page 41.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.
- Tempered laminated glass required. Some visual distortion may occur.

Picture Window Area Specifications *(continued)*

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
APW2054	6.43 (0.60)	10.21 (0.95)
APW2058	6.89 (0.64)	10.86 (1.01)
APW2060	7.35 (0.68)	11.50 (1.07)
APW2064	7.82 (0.73)	12.15 (1.13)
APW2068	8.28 (0.77)	12.80 (1.19)
APW2074	9.20 (0.85)	14.09 (1.31)
APW2080	10.12 (0.94)	15.38 (1.43)
APW2420	2.26 (0.21)	4.40 (0.41)
APW2424	2.83 (0.26)	5.16 (0.48)
APW2428	3.40 (0.32)	5.91 (0.55)
APW2430	3.98 (0.37)	6.67 (0.62)
APW2434	4.55 (0.42)	7.43 (0.69)
APW2438	5.12 (0.48)	8.18 (0.76)
APW2440	5.69 (0.53)	8.94 (0.83)
APW2444	6.27 (0.58)	9.70 (0.90)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
APW2448	6.84 (0.64)	10.46 (0.97)
APW2450	7.41 (0.69)	11.21 (1.04)
APW2454	7.98 (0.74)	11.97 (1.11)
APW2458	8.55 (0.79)	12.73 (1.18)
APW2460	9.13 (0.85)	13.48 (1.25)
APW2464	9.70 (0.90)	14.24 (1.32)
APW2468	10.27 (0.95)	15.00 (1.39)
APW2474	11.42 (1.06)	16.51 (1.53)
APW2480	12.56 (1.17)	18.02 (1.67)
APW2620	2.48 (0.23)	4.72 (0.44)
APW2624	3.11 (0.29)	5.54 (0.51)
APW2628	3.74 (0.35)	6.35 (0.59)
APW2630	4.36 (0.41)	7.16 (0.67)
APW2634	4.99 (0.46)	7.97 (0.74)
APW2638	5.62 (0.52)	8.79 (0.82)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
APW2640	6.25 (0.58)	9.60 (0.89)
APW2644	6.87 (0.64)	10.41 (0.97)
APW2648	7.50 (0.70)	11.22 (1.04)
APW2650	8.13 (0.76)	12.04 (1.12)
APW2654	8.76 (0.81)	12.85 (1.19)
APW2658	9.39 (0.87)	13.66 (1.27)
APW2660	10.01 (0.93)	14.47 (1.34)
APW2664	10.64 (0.99)	15.29 (1.42)
APW2668	11.27 (1.05)	16.10 (1.50)
APW2674	12.52 (1.16)	17.72 (1.65)
APW2680	13.78 (1.28)	19.35 (1.80)
APW2820	2.70 (0.25)	5.05 (0.47)
APW2824	3.38 (0.31)	5.91 (0.55)
APW2828	4.07 (0.38)	6.78 (0.63)

- Dimensions in parentheses are in square meters.

continued on next page

Picture Window Area Specifications *(continued)*

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
APW2830	4.75 (0.44)	7.65 (0.71)
APW2834	5.43 (0.50)	8.52 (0.79)
APW2838	6.12 (0.57)	9.39 (0.87)
APW2840	6.80 (0.63)	10.25 (0.95)
APW2844	7.48 (0.69)	11.12 (1.03)
APW2848	8.17 (0.76)	11.99 (1.11)
APW2850	8.85 (0.82)	12.86 (1.19)
APW2854	9.53 (0.89)	13.73 (1.28)
APW2858	10.22 (0.95)	14.59 (1.36)
APW2860	10.90 (1.01)	15.46 (1.44)
APW2864	11.58 (1.08)	16.33 (1.52)
APW2868	12.27 (1.14)	17.20 (1.60)
APW2874	13.63 (1.27)	18.93 (1.76)
APW2880	15.00 (1.39)	20.67 (1.92)
APW21020	2.92 (0.27)	5.37 (0.50)
APW21024	3.66 (0.34)	6.29 (0.58)
APW21024	3.66 (0.34)	6.29 (0.58)
APW21028	4.40 (0.41)	7.22 (0.67)
APW21030	5.14 (0.48)	8.14 (0.76)
APW21034	5.87 (0.55)	9.06 (0.84)
APW21038	6.61 (0.61)	9.99 (0.93)
APW21040	7.35 (0.68)	10.91 (1.01)
APW21044	8.09 (0.75)	11.83 (1.10)
APW21048	8.83 (0.82)	12.76 (1.19)
APW21050	9.57 (0.89)	13.68 (1.27)
APW21054	10.31 (0.96)	14.60 (1.36)
APW21058	11.05 (1.03)	15.53 (1.44)
APW21060	11.79 (1.10)	16.45 (1.53)
APW21064	12.52 (1.16)	17.38 (1.61)
APW21068	13.26 (1.23)	18.30 (1.70)
APW21074	14.74 (1.37)	20.15 (1.87)
APW21080	16.22 (1.51)	21.99 (2.04)
APW3020	3.14 (0.29)	5.69 (0.53)
APW3024	3.93 (0.37)	6.67 (0.62)
APW3028	4.73 (0.44)	7.65 (0.71)
APW3030	5.52 (0.51)	8.63 (0.80)
APW3034	6.32 (0.59)	9.61 (0.89)
APW3038	7.11 (0.66)	10.59 (0.98)
APW3040	7.90 (0.73)	11.57 (1.07)
APW3044	8.70 (0.81)	12.55 (1.17)
APW3044	8.70 (0.81)	12.55 (1.17)
APW3048	9.49 (0.88)	13.52 (1.26)
APW3050	10.29 (0.96)	14.50 (1.35)
APW3054	11.08 (1.03)	15.48 (1.44)
APW3058	11.88 (1.10)	16.46 (1.53)
APW3060	12.67 (1.18)	17.44 (1.62)
APW3064	13.47 (1.25)	18.42 (1.71)
APW3068	14.26 (1.32)	19.40 (1.80)
APW3074	15.85 (1.47)	21.36 (1.98)
APW3080	17.44 (1.62)	23.32 (2.17)
APW3220	3.36 (0.31)	6.01 (0.56)
APW3224	4.21 (0.39)	7.05 (0.65)
APW3228	5.06 (0.47)	8.08 (0.75)
APW3230	5.91 (0.55)	9.12 (0.85)
APW3234	6.76 (0.63)	10.15 (0.94)
APW3238	7.61 (0.71)	11.19 (1.04)
APW3240	8.46 (0.79)	12.22 (1.14)
APW3244	9.31 (0.86)	13.26 (1.23)
APW3248	10.16 (0.94)	14.29 (1.33)
APW3250	11.01 (1.02)	15.33 (1.42)
APW3254	11.86 (1.10)	16.36 (1.52)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
APW3258	12.71 (1.18)	17.40 (1.62)
APW3260	13.56 (1.26)	18.43 (1.71)
APW3264	14.41 (1.34)	19.47 (1.81)
APW3268	15.26 (1.42)	20.50 (1.90)
APW3274	16.96 (1.58)	22.57 (2.10)
APW3280	18.66 (1.73)	24.64 (2.29)
APW3420	3.58 (0.33)	6.34 (0.59)
APW3424	4.48 (0.42)	7.43 (0.69)
APW3428	5.39 (0.50)	8.52 (0.79)
APW3430	6.29 (0.58)	9.61 (0.89)
APW3434	7.20 (0.67)	10.70 (0.99)
APW3438	8.10 (0.75)	11.79 (1.10)
APW3440	9.01 (0.84)	12.88 (1.20)
APW3444	9.92 (0.92)	13.97 (1.30)
APW3448	10.82 (1.01)	15.06 (1.40)
APW3450	11.73 (1.09)	16.15 (1.50)
APW3454	12.63 (1.17)	17.24 (1.60)
APW3458	13.54 (1.26)	18.33 (1.70)
APW3460	14.44 (1.34)	19.42 (1.80)
APW3464	15.35 (1.43)	20.51 (1.91)
APW3468	16.25 (1.51)	21.60 (2.01)
APW3474	18.07 (1.68)	23.78 (2.21)
APW3480	19.88 (1.85)	25.96 (2.41)
APW3820	4.02 (0.37)	6.98 (0.65)
APW3824	5.03 (0.47)	8.18 (0.76)
APW3828	6.05 (0.56)	9.39 (0.87)
APW3830	7.07 (0.66)	10.59 (0.98)
APW3834	8.08 (0.75)	11.79 (1.10)
APW3838	9.10 (0.85)	12.99 (1.21)
APW3840	10.12 (0.94)	14.19 (1.32)
APW3844	11.13 (1.03)	15.39 (1.43)
APW3848	12.15 (1.13)	16.59 (1.54)
APW3850	13.17 (1.22)	17.80 (1.65)
APW3854	14.18 (1.32)	19.00 (1.77)
APW3858	15.20 (1.41)	20.20 (1.88)
APW3860	16.22 (1.51)	21.40 (1.99)
APW3864	17.23 (1.60)	22.60 (2.10)
APW3868	18.25 (1.70)	23.80 (2.21)
APW3874	20.28 (1.88)	26.21 (2.43)
APW3880	22.32 (2.07)	28.61 (2.66)
APW4020	4.45 (0.41)	7.63 (0.71)
APW4024	5.58 (0.52)	8.94 (0.83)
APW4028	6.71 (0.62)	10.25 (0.95)
APW4030	7.84 (0.73)	11.57 (1.07)
APW4034	8.97 (0.83)	12.88 (1.20)
APW4038	10.09 (0.94)	14.19 (1.32)
APW4040	11.22 (1.04)	15.50 (1.44)
APW4044	12.35 (1.15)	16.82 (1.56)
APW4048	13.48 (1.25)	18.13 (1.68)
APW4050	14.60 (1.36)	19.44 (1.81)
APW4054	15.73 (1.46)	20.75 (1.93)
APW4058	16.86 (1.57)	22.07 (2.05)
APW4060	17.99 (1.67)	23.38 (2.17)
APW4064	19.12 (1.78)	24.69 (2.29)
APW4068	20.24 (1.88)	26.00 (2.42)
APW4074	22.50 (2.09)	28.63 (2.66)
APW4080	24.75 (2.30)	31.25 (2.90)
APW4420	4.89 (0.45)	8.27 (0.77)
APW4424	6.13 (0.57)	9.70 (0.90)
APW4428	7.37 (0.68)	11.12 (1.03)
APW4430	8.61 (0.80)	12.55 (1.17)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
APW4434	9.85 (0.92)	13.97 (1.30)
APW4438	11.09 (1.03)	15.39 (1.43)
APW4440	12.33 (1.15)	16.82 (1.56)
APW4444	13.57 (1.26)	18.24 (1.69)
APW4448	14.80 (1.37)	19.66 (1.83)
APW4450	16.04 (1.49)	21.09 (1.96)
APW4454	17.28 (1.61)	22.51 (2.09)
APW4458	18.52 (1.72)	23.93 (2.22)
APW4460	19.76 (1.84)	25.36 (2.36)
APW4464	21.00 (1.95)	26.78 (2.49)
APW4468	22.24 (2.07)	28.21 (2.62)
APW4474	24.72 (2.30)	31.05 (2.88)
APW4480	27.19 (2.53)	33.90 (3.15)
APW4820	5.33 (0.50)	8.92 (0.83)
APW4824	6.68 (0.62)	10.46 (0.97)
APW4828	8.03 (0.75)	11.99 (1.11)
APW4830	9.38 (0.87)	13.52 (1.26)
APW4834	10.73 (1.00)	15.06 (1.40)
APW4838	12.08 (1.12)	16.59 (1.54)
APW4840	13.43 (1.25)	18.13 (1.68)
APW4844	14.78 (1.37)	19.66 (1.83)
APW4848	16.13 (1.50)	21.20 (1.97)
APW4850	17.48 (1.62)	22.73 (2.11)
APW4854	18.83 (1.75)	24.27 (2.25)
APW4858	20.18 (1.87)	25.80 (2.40)
APW4860	21.53 (2.00)	27.34 (2.54)
APW4864	22.88 (2.13)	28.87 (2.68)
APW4868	24.23 (2.25)	30.41 (2.83)
APW4874	26.93 (2.50)	33.48 (3.11)
APW4880	29.63 (2.75)	36.55 (3.40)
APW5020	5.77 (0.54)	9.57 (0.89)
APW5024	7.23 (0.67)	11.21 (1.04)
APW5028	8.69 (0.81)	12.86 (1.19)
APW5030	10.15 (0.94)	14.50 (1.35)
APW5034	11.62 (1.08)	16.15 (1.50)
APW5038	13.08 (1.22)	17.80 (1.65)
APW5040	14.54 (1.35)	19.44 (1.81)
APW5044	16.00 (1.49)	21.09 (1.96)
APW5048	17.46 (1.62)	22.73 (2.11)
APW5050	18.92 (1.76)	24.38 (2.26)
APW5054	20.38 (1.89)	26.02 (2.42)
APW5058	21.84 (2.03)	27.67 (2.57)
APW5060	23.30 (2.16)	29.32 (2.72)
APW5064	24.77 (2.30)	30.96 (2.88)
APW5068	26.23 (2.44)	32.61 (3.03)
APW5074	29.15 (2.71)	35.90 (3.34)
APW5080	32.07 (2.98)	39.19 (3.64)
APW5420	6.21 (0.58)	10.21 (0.95)
APW5424	7.78 (0.72)	11.97 (1.11)
APW5428	9.35 (0.87)	13.73 (1.28)
APW5430	10.93 (1.02)	15.48 (1.44)
APW5434	12.50 (1.16)	17.24 (1.60)
APW5438	14.07 (1.31)	19.00 (1.77)
APW5440	15.64 (1.45)	20.75 (1.93)
APW5444	17.22 (1.60)	22.51 (2.09)
APW5448	18.79 (1.75)	24.27 (2.25)
APW5450	20.36 (1.89)	26.02 (2.42)
APW5454	21.93 (2.04)	27.78 (2.58)
APW5458	23.50 (2.18)	29.54 (2.74)
APW5460	25.08 (2.33)	31.30 (2.91)

• Dimensions in parentheses are in square meters.

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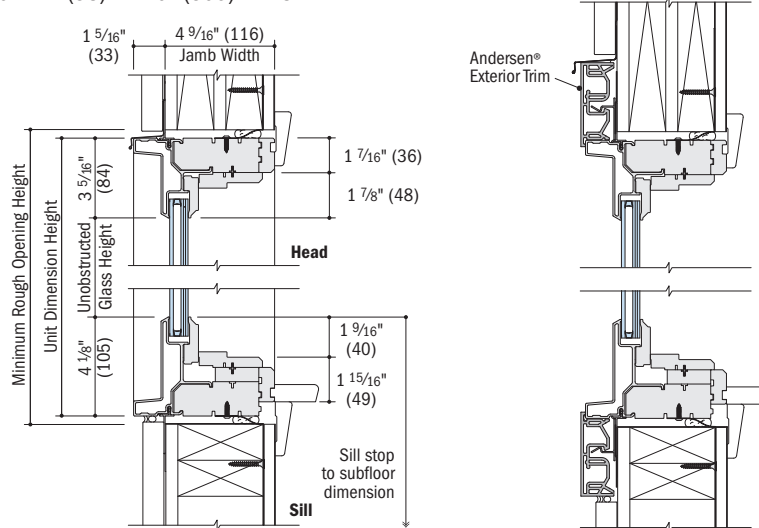
Picture Window Area Specifications *(continued)*

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
APW5464	26.65 (2.48)	33.05 (3.07)
APW5468	28.22 (2.62)	34.81 (3.23)
APW5474	31.37 (2.91)	38.32 (3.56)
APW5480	34.51 (3.21)	41.84 (3.89)
APW5820	6.65 (0.62)	10.86 (1.01)
APW5824	8.33 (0.77)	12.73 (1.18)
APW5828	10.02 (0.93)	14.59 (1.36)
APW5830	11.70 (1.09)	16.46 (1.53)
APW5834	13.38 (1.24)	18.33 (1.70)
APW5838	15.07 (1.40)	20.20 (1.88)
APW5840	16.75 (1.56)	22.07 (2.05)
APW5844	18.43 (1.71)	23.93 (2.22)
APW5848	20.12 (1.87)	25.80 (2.40)
APW5850	21.80 (2.03)	27.67 (2.57)
APW5854	23.48 (2.18)	29.54 (2.74)
APW5858	25.17 (2.34)	31.41 (2.92)
APW5860	26.85 (2.49)	33.27 (3.09)
APW5864	28.53 (2.65)	35.14 (3.26)
APW5868	30.22 (2.81)	37.01 (3.44)
APW5874	33.58 (3.12)	40.75 (3.79)
APW5880	36.95 (3.43)	44.48 (4.13)
APW6020	7.09 (0.66)	11.50 (1.07)
APW6024	8.88 (0.82)	13.48 (1.25)
APW6028	10.68 (0.99)	15.46 (1.44)
APW6030	12.47 (1.16)	17.44 (1.62)
APW6034	14.27 (1.33)	19.42 (1.80)
APW6038	16.06 (1.49)	21.40 (1.99)
APW6040	17.85 (1.66)	23.38 (2.17)
APW6044	19.65 (1.83)	25.36 (2.36)
APW6048	21.44 (1.99)	27.34 (2.54)
APW6050	23.24 (2.16)	29.32 (2.72)
APW6054	25.03 (2.33)	31.30 (2.91)
APW6058	26.83 (2.49)	33.27 (3.09)
APW6060	28.62 (2.66)	35.25 (3.27)
APW6064	30.42 (2.83)	37.23 (3.46)
APW6068	32.21 (2.99)	39.21 (3.64)
APW6074	35.80 (3.33)	43.17 (4.01)
APW6080	39.39 (3.66)	47.13 (4.38)

• Dimensions in parentheses are in square meters.

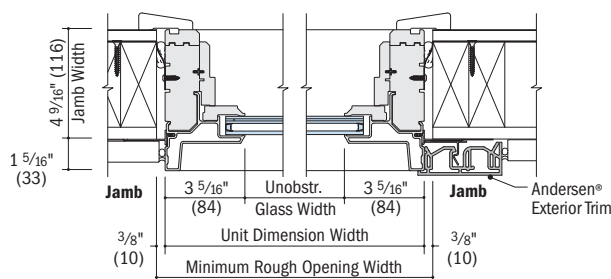
Picture Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Vertical Sections

Low-E4* Impact-Resistant Glass



Horizontal Section

Low-E4* Impact-Resistant Glass

See pages 49-51 for horizontal

and vertical joining details.

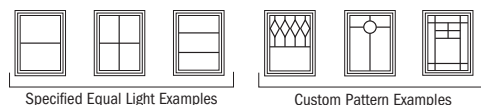
- 4 9/16" (116) jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

Grille Patterns

	Queen Anne	Diamond	Prairie A	Specified Equal Light with Check Rail (Simulated Check Rail)	Colonial	Modified* Colonial	Modified* Colonial SCR (Simulated Check Rail)	Tall Fractional	Tall Fractional SCR (Simulated Check Rail)	Short Fractional	Short Fractional SCR (Simulated Check Rail)
Picture											

• Andersen® Finelight™ grilles available in 3/4" (19) profile only.

* Location from top of window to bottom of divided light pattern is available at 8" (203), 10" (254), 12" (305), center and at custom dimensions.



Number of lights and overall pattern varies with window size. Patterns shown may not be available for all sizes. Specified equal light and custom patterns are also available. For picture window patterns that require alignment with double-hung patterns, identify the double-hung sash style (equal, cottage, reverse cottage) when ordering. For more information on divided light see pages 18-19 or visit andersenwindows.com/grilles.

Table of Transom Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Unit Dimension	1'-3 1/4"	1'-7 1/4"	1'-11 1/4"	2'-3 1/4"	2'-5 1/4"	2'-7 1/4"	2'-9 1/4"	2'-11 1/4"	3'-1 1/4"	3'-3 1/4"	3'-7 1/4"	3'-11 1/4"
	(387)	(489)	(591)	(692)	(743)	(794)	(845)	(895)	(946)	(997)	(1099)	(1200)
Minimum Rough Opening	1'-4"	1'-8"	2'-0"	2'-4"	2'-6"	2'-8"	2'-10"	3'-0"	3'-2"	3'-4"	3'-8"	4'-0"
	(406)	(508)	(610)	(711)	(762)	(813)	(864)	(914)	(965)	(1016)	(1118)	(1219)
Unobstructed Glass	8 5/8"	12 5/8"	16 5/8"	20 5/8"	22 5/8"	24 5/8"	26 5/8"	28 5/8"	30 5/8"	32 5/8"	36 5/8"	40 5/8"
	(219)	(321)	(422)	(524)	(575)	(625)	(676)	(727)	(778)	(829)	(930)	(1032)

CUSTOM WIDTHS (stationary) — Vary based on height. See page 53.

11 1/4"	(286)	1'-0"	(305)	4 5/8"	(117)
1'-3 1/4"	(387)	1'-4"	(406)	8 5/8"	(219)
1'-5 1/4"	(438)	1'-6"	(457)	10 5/8"	(270)
1'-7 1/4"	(489)	1'-8"	(508)	12 5/8"	(321)
1'-9 1/4"	(540)	1'-10"	(559)	14 5/8"	(371)
1'-11 1/4"	(591)	2'-0"	(610)	16 5/8"	(422)
2'-1 1/4"	(641)	2'-2"	(660)	18 5/8"	(473)
2'-3 1/4"	(692)	2'-4"	(711)	20 5/8"	(524)
2'-5 1/4"	(743)	2'-6"	(762)	22 5/8"	(575)
2'-7 1/4"	(794)	2'-8"	(813)	24 5/8"	(625)

CUSTOM HEIGHTS (stationary) — Vary based on width. See page 53.

ATF1410	ATF1810	ATF2010	ATF2410	ATF2610	ATF2810	ATF21010	ATF3010	ATF3210	ATF3410	ATF3810	ATF4010
ATF1414	ATF1814	ATF2014	ATF2414	ATF2614	ATF2814	ATF21014	ATF3014	ATF3214	ATF3414	ATF3814	ATF4014
ATF1416	ATF1816	ATF2016	ATF2416	ATF2616	ATF2816	ATF21016	ATF3016	ATF3216	ATF3416	ATF3816	ATF4016
ATF1418	ATF1818	ATF2018	ATF2418	ATF2618	ATF2818	ATF21018	ATF3018	ATF3218	ATF3418	ATF3818	ATF4018
ATF14110	ATF18110	ATF20110	ATF24110	ATF26110	ATF28110	ATF210110	ATF30110	ATF32110	ATF34110	ATF38110	ATF40110
ATF1420	ATF1820	ATF2020	ATF2420	ATF2620	ATF2820	ATF21020	ATF3020	ATF3220	ATF3420	ATF3820	ATF4020
ATF1422	ATF1822	ATF2022	ATF2422	ATF2622	ATF2822	ATF21022	ATF3022	ATF3222	ATF3422	ATF3822	ATF4022
ATF1424	ATF1824	ATF2024	ATF2424	ATF2624	ATF2824	ATF21024	ATF3024	ATF3224	ATF3424	ATF3824	ATF4024
ATF1426	ATF1826	ATF2026	ATF2426	ATF2626	ATF2826	ATF21026	ATF3026	ATF3226	ATF3426	ATF3826	ATF4026
ATF1428	ATF1828	ATF2028	ATF2428	ATF2628	ATF2828	ATF21028	ATF3028	ATF3228	ATF3428	ATF3828	ATF4028

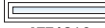
CUSTOM WIDTHS (venting) — Vary based on height. See page 53.

CUSTOM HEIGHTS (venting) — Vary based on width. See page 53.

ATV1814	ATV2014	ATV2414	ATV2614	ATV2814	ATV21014	ATV3014	ATV3214	ATV3414	ATV3814	ATV4014
ATV1816	ATV2016	ATV2416	ATV2616	ATV2816	ATV21016	ATV3016	ATV3216	ATV3416	ATV3816	ATV4016
ATV1818	ATV2018	ATV2418	ATV2618	ATV2818	ATV21018	ATV3018	ATV3218	ATV3418	ATV3818	ATV4018
ATV18110	ATV20110	ATV24110	ATV26110	ATV28110	ATV210110	ATV30110	ATV32110	ATV34110	ATV38110	ATV40110
ATV1820	ATV2020	ATV2420	ATV2620	ATV2820	ATV21020	ATV3020	ATV3220	ATV3420	ATV3820	ATV4020
ATV1822	ATV2022	ATV2422	ATV2622	ATV2822	ATV21022	ATV3022	ATV3222	ATV3422	ATV3822	ATV4022
ATV1824	ATV2024	ATV2424	ATV2624	ATV2824	ATV21024	ATV3024	ATV3224	ATV3424	ATV3824	ATV4024
ATV1826	ATV2026	ATV2426	ATV2626	ATV2826	ATV21026	ATV3026	ATV3226	ATV3426	ATV3826	ATV4026
ATV1828	ATV2028	ATV2428	ATV2628	ATV2828	ATV21028	ATV3028	ATV3228	ATV3428	ATV3828	ATV4028

Notes on this page also apply to the previous page. Transom sizes on pages 42-45.

4'-3 1/4" (1302)	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	5'-11 1/4" (1810)
4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
44 5/8" (1133)	48 5/8" (1235)	52 5/8" (1337)	56 5/8" (1438)	60 5/8" (1540)	64 5/8" (1641)

 ATF4410	 ATF4810	 ATF5010	 ATF5410	 ATF5810	 ATF6010
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 ATF4414	 ATF4814	 ATF5014	 ATF5414	 ATF5814	 ATF6014
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 ATV4414	 ATV4814	 ATV5014			
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 ATF4416	 ATF4816	 ATF5016	 ATF5416	 ATF5816	 ATF6016
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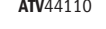
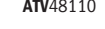
 ATV4416	 ATV4816	 ATV5016			
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 ATF4418	 ATF4818	 ATF5018	 ATF5418	 ATF5818	 ATF6018
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 ATV4418	 ATV4818	 ATV5018			
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 ATF44110	 ATF48110	 ATF50110	 ATF54110	 ATF58110	 ATF60110
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 ATV44110	 ATV48110	 ATV50110			
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 ATF4420	 ATF4820	 ATF5020	 ATF5420	 ATF5820	 ATF6020
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 ATV4420	 ATV4820	 ATV5020			
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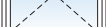
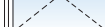
 ATF4422	 ATF4822	 ATF5022	 ATF5422	 ATF5822	 ATF6022
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 ATV4422	 ATV4822	 ATV5022			
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 ATF4424	 ATF4824	 ATF5024	 ATF5424	 ATF5824	 ATF6024
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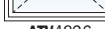
 ATV4424	 ATV4824	 ATV5024			
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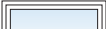
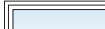
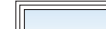
 ATF4426	 ATF4826	 ATF5026	 ATF5426	 ATF5826	 ATF6026
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 ATV4426	 ATV4826	 ATV5026			
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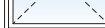
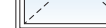
 ATF4428	 ATF4828	 ATF5028	 ATF5428	 ATF5828	 ATF6028
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 ATV4428	 ATV4828	 ATV5028			
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 ATF4428	 ATF4828	 ATF5028			
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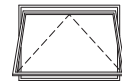
 ATV4428	 ATV4828	 ATV5028			
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 ATF4428	 ATF4828	 ATF5028			
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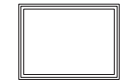
 ATV4428	 ATV4828	 ATV5028			
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Custom-size windows are available in 1/8" (3) increments. See page 53 for custom sizes and specifications.



Venting Transom



Stationary Transom

Choose venting (ATV) or stationary (ATF).

Venting window must be installed to vent as shown and should not be rotated and used as a hopper.

Grille patterns shown on page 48.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.

continued on next page

Table of Transom Window Sizes (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-3 1/4"	1'-7 1/4"	1'-11 1/4"	2'-3 1/4"	2'-5 1/4"	2'-7 1/4"	2'-9 1/4"	2'-11 1/4"	3'-1 1/4"	3'-3 1/4"	3'-7 1/4"	3'-11 1/4"
	(387)	(489)	(591)	(692)	(743)	(794)	(845)	(895)	(946)	(997)	(1099)	(1200)
Minimum Rough Opening	1'-4"	1'-8"	2'-0"	2'-4"	2'-6"	2'-8"	2'-10"	3'-0"	3'-2"	3'-4"	3'-8"	4'-0"
	(406)	(508)	(610)	(711)	(762)	(813)	(864)	(914)	(965)	(1016)	(1118)	(1219)
Unobstructed Glass	8 5/8"	12 5/8"	16 5/8"	20 5/8"	22 5/8"	24 5/8"	26 5/8"	28 5/8"	30 5/8"	32 5/8"	36 5/8"	40 5/8"
	(219)	(321)	(422)	(524)	(575)	(625)	(676)	(727)	(778)	(829)	(930)	(1032)

2'-11 1/4"	3'-0"	3'-4"	3'-8"	4'-0"
(895)	(914)	(1016)	(1118)	(1219)
28 5/8"	32 5/8"	36 5/8"	40 5/8"	
(727)	(829)	(930)	(1032)	

3'-3 1/4"	3'-7 1/4"	3'-11 1/4"		
(997)	(1099)	(1200)		
32 5/8"	36 5/8"	40 5/8"		
(829)	(930)	(1032)		

ATF1430	ATF1830	ATF2030	ATF2430	ATF2630	ATF2830	ATF21030	ATF3030	ATF3230	ATF3430	ATF3830	ATF4030
ATF1434	ATF1834	ATF2034	ATF2434	ATF2634	ATF2834	ATF21034	ATF3034	ATF3234	ATF3434	ATF3834	ATF4034

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.

Venting Transom Window Opening and Area Specifications

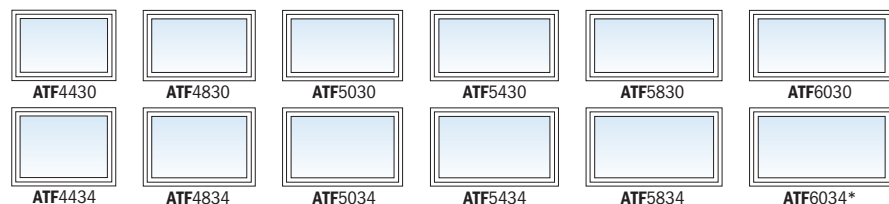
Window Number	Clear Opening Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/ (mm)	Depth Inches/ (mm)				
ATV1814	0.59 (0.05)	14 5/16" (364)	5 7/8" (149)	0.75 (0.07)	0.59 (0.05)	69 1/2" (1765)	2.04 (0.19)
ATV2014	0.75 (0.07)	18 5/16" (465)	5 7/8" (149)	0.99 (0.09)	0.75 (0.07)	69 1/2" (1765)	2.46 (0.23)
ATV2414	0.91 (0.08)	22 5/16" (567)	5 7/8" (149)	1.23 (0.11)	0.91 (0.08)	69 1/2" (1765)	2.89 (0.27)
ATV2614	0.99 (0.09)	24 5/16" (618)	5 7/8" (149)	1.35 (0.13)	0.99 (0.09)	69 1/2" (1765)	3.10 (0.29)
ATV2814	1.08 (0.10)	26 5/16" (668)	5 7/8" (149)	1.47 (0.14)	1.08 (0.10)	69 1/2" (1765)	3.31 (0.31)
ATV21014	1.16 (0.11)	28 5/16" (719)	5 7/8" (149)	1.59 (0.15)	1.16 (0.11)	69 1/2" (1765)	3.52 (0.33)
ATV3014	1.24 (0.12)	30 5/16" (770)	5 7/8" (149)	1.71 (0.16)	1.24 (0.12)	69 1/2" (1765)	3.73 (0.35)
ATV3214	1.32 (0.12)	32 5/16" (821)	5 7/8" (149)	1.83 (0.17)	1.32 (0.12)	69 1/2" (1765)	3.95 (0.37)
ATV3414	1.40 (0.13)	34 5/16" (872)	5 7/8" (149)	1.95 (0.18)	1.40 (0.13)	69 1/2" (1765)	4.16 (0.39)
ATV3814	1.57 (0.15)	38 5/16" (973)	5 7/8" (149)	2.19 (0.20)	1.57 (0.15)	69 1/2" (1765)	4.58 (0.43)
ATV4014	1.73 (0.16)	42 5/16" (1075)	5 7/8" (149)	2.43 (0.23)	1.73 (0.16)	69 1/2" (1765)	5.00 (0.46)
ATV4414	1.90 (0.18)	46 5/16" (1176)	5 7/8" (149)	2.66 (0.25)	1.90 (0.18)	69 1/2" (1765)	5.43 (0.50)
ATV4814	2.06 (0.19)	50 5/16" (1278)	5 7/8" (149)	2.90 (0.27)	2.06 (0.19)	69 1/2" (1765)	5.85 (0.54)
ATV5014	2.22 (0.21)	54 5/16" (1380)	5 7/8" (149)	3.14 (0.29)	2.22 (0.21)	69 1/2" (1765)	6.28 (0.58)
ATV1816	0.59 (0.05)	14 5/16" (364)	5 7/8" (149)	0.93 (0.09)	0.59 (0.05)	67 1/2" (1715)	2.31 (0.21)
ATV2016	0.75 (0.07)	18 5/16" (465)	5 7/8" (149)	1.22 (0.11)	0.75 (0.07)	67 1/2" (1715)	2.79 (0.26)
ATV2416	0.91 (0.08)	22 5/16" (567)	5 7/8" (149)	1.52 (0.14)	0.91 (0.08)	67 1/2" (1715)	3.26 (0.30)
ATV2616	0.99 (0.09)	24 5/16" (618)	5 7/8" (149)	1.66 (0.15)	0.99 (0.09)	67 1/2" (1715)	3.50 (0.33)
ATV2816	1.08 (0.10)	26 5/16" (668)	5 7/8" (149)	1.81 (0.17)	1.08 (0.10)	67 1/2" (1715)	3.74 (0.35)
ATV21016	1.16 (0.11)	28 5/16" (719)	5 7/8" (149)	1.96 (0.18)	1.16 (0.11)	67 1/2" (1715)	3.98 (0.37)
ATV3016	1.24 (0.12)	30 5/16" (770)	5 7/8" (149)	2.11 (0.20)	1.24 (0.12)	67 1/2" (1715)	4.22 (0.39)
ATV3216	1.32 (0.12)	32 5/16" (821)	5 7/8" (149)	2.25 (0.21)	1.32 (0.12)	67 1/2" (1715)	4.46 (0.41)
ATV3416	1.40 (0.13)	34 5/16" (872)	5 7/8" (149)	2.40 (0.22)	1.40 (0.13)	67 1/2" (1715)	4.70 (0.44)
ATV3816	1.57 (0.15)	38 5/16" (973)	5 7/8" (149)	2.69 (0.25)	1.57 (0.15)	67 1/2" (1715)	5.18 (0.48)
ATV4016	1.73 (0.16)	42 5/16" (1075)	5 7/8" (149)	2.99 (0.28)	1.73 (0.16)	67 1/2" (1715)	5.66 (0.53)
ATV4416	1.90 (0.18)	46 5/16" (1176)	5 7/8" (149)	3.28 (0.30)	1.90 (0.18)	67 1/2" (1715)	6.14 (0.57)
ATV4816	2.06 (0.19)	50 5/16" (1278)	5 7/8" (149)	3.58 (0.33)	2.06 (0.19)	67 1/2" (1715)	6.62 (0.62)
ATV5016	2.22 (0.21)	54 5/16" (1380)	5 7/8" (149)	3.87 (0.36)	2.22 (0.21)	67 1/2" (1715)	7.10 (0.66)
ATV1818	0.59 (0.05)	14 5/16" (364)	5 7/8" (149)	1.10 (0.10)	0.59 (0.05)	65 1/2" (1664)	2.57 (0.24)
ATV2018	0.75 (0.07)	18 5/16" (465)	5 7/8" (149)	1.45 (0.13)	0.75 (0.07)	65 1/2" (1664)	3.11 (0.29)
ATV2418	0.91 (0.08)	22 5/16" (567)	5 7/8" (149)	1.80 (0.17)	0.91 (0.08)	65 1/2" (1664)	3.64 (0.34)
ATV2618	0.99 (0.09)	24 5/16" (618)	5 7/8" (149)	1.98 (0.18)	0.99 (0.09)	65 1/2" (1664)	3.91 (0.36)
ATV2818	1.08 (0.10)	26 5/16" (668)	5 7/8" (149)	2.15 (0.20)	1.08 (0.10)	65 1/2" (1664)	4.18 (0.39)
ATV21018	1.16 (0.11)	28 5/16" (719)	5 7/8" (149)	2.33 (0.22)	1.16 (0.11)	65 1/2" (1664)	4.45 (0.41)
ATV3018	1.24 (0.12)	30 5/16" (770)	5 7/8" (149)	2.50 (0.23)	1.24 (0.12)	65 1/2" (1664)	4.71 (0.44)
ATV3218	1.32 (0.12)	32 5/16" (821)	5 7/8" (149)	2.68 (0.25)	1.32 (0.12)	65 1/2" (1664)	4.98 (0.46)

- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.

continued on next page

Notes on this page also apply to the previous page. Transom sizes on pages 42-45.

4'-3 1/4" (1302)	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	5'-11 1/4" (1810)
4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
44 5/8" (1133)	48 5/8" (1235)	52 5/8" (1337)	56 5/8" (1438)	60 5/8" (1540)	64 5/8" (1641)



Custom-size windows are available in 1/8" (3) increments. See page 53 for custom sizes and specifications.

Choose venting (ATV) or stationary (ATF). See pages 42-43 for venting sizes. Grille patterns shown on page 48.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.
- Tempered laminated glass required. Some visual distortion may occur.

Venting Transom Window Opening and Area Specifications (continued)

Window Number			Clear Opening in Full Open Position					Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area
	Clear Opening Sq. Ft./(m²)		Width Inches/(mm)	Depth Inches/(mm)	Glass Area Sq. Ft./(m²)	Vent Sq. Ft./(m²)		Sq. Ft./(m²)	
ATV3418	1.40	(0.13)	34 5/16" (872)	5 7/8" (149)	2.85 (0.26)	1.40	(0.13)	65 1/2" (1664)	5.25 (0.49)
ATV3818	1.57	(0.15)	38 5/16" (973)	5 7/8" (149)	3.20 (0.30)	1.57	(0.15)	65 1/2" (1664)	5.78 (0.54)
ATV4018	1.73	(0.16)	42 5/16" (1075)	5 7/8" (149)	3.55 (0.33)	1.73	(0.16)	65 1/2" (1664)	6.32 (0.59)
ATV4418	1.90	(0.18)	46 5/16" (1176)	5 7/8" (149)	3.90 (0.36)	1.90	(0.18)	65 1/2" (1664)	6.85 (0.64)
ATV4818	2.06	(0.19)	50 5/16" (1278)	5 7/8" (149)	4.25 (0.39)	2.06	(0.19)	65 1/2" (1664)	7.39 (0.69)
ATV5018	2.22	(0.21)	54 5/16" (1380)	5 7/8" (149)	4.60 (0.43)	2.22	(0.21)	65 1/2" (1664)	7.92 (0.74)
ATV18110	0.59	(0.05)	14 5/16" (364)	5 7/8" (149)	1.28 (0.12)	0.59	(0.05)	63 1/2" (1613)	2.84 (0.26)
ATV20110	0.75	(0.07)	18 5/16" (465)	5 7/8" (149)	1.68 (0.16)	0.75	(0.07)	63 1/2" (1613)	3.43 (0.32)
ATV24110	0.91	(0.08)	22 5/16" (567)	5 7/8" (149)	2.09 (0.19)	0.91	(0.08)	63 1/2" (1613)	4.02 (0.37)
ATV26110	0.99	(0.09)	24 5/16" (618)	5 7/8" (149)	2.29 (0.21)	0.99	(0.09)	63 1/2" (1613)	4.32 (0.40)
ATV28110	1.08	(0.10)	26 5/16" (668)	5 7/8" (149)	2.49 (0.23)	1.08	(0.10)	63 1/2" (1613)	4.61 (0.43)
ATV210110	1.16	(0.11)	28 5/16" (719)	5 7/8" (149)	2.70 (0.25)	1.16	(0.11)	63 1/2" (1613)	4.91 (0.46)
ATV30110	1.24	(0.12)	30 5/16" (770)	5 7/8" (149)	2.90 (0.27)	1.24	(0.12)	63 1/2" (1613)	5.20 (0.48)
ATV32110	1.32	(0.12)	32 5/16" (821)	5 7/8" (149)	3.10 (0.29)	1.32	(0.12)	63 1/2" (1613)	5.50 (0.51)
ATV34110	1.40	(0.13)	34 5/16" (872)	5 7/8" (149)	3.31 (0.31)	1.40	(0.13)	63 1/2" (1613)	5.79 (0.54)
ATV38110	1.57	(0.15)	38 5/16" (973)	5 7/8" (149)	3.71 (0.34)	1.57	(0.15)	63 1/2" (1613)	6.38 (0.59)
ATV40110	1.73	(0.16)	42 5/16" (1075)	5 7/8" (149)	4.12 (0.38)	1.73	(0.16)	63 1/2" (1613)	6.97 (0.65)
ATV44110	1.90	(0.18)	46 5/16" (1176)	5 7/8" (149)	4.55 (0.42)	1.90	(0.18)	63 1/2" (1613)	7.56 (0.70)
ATV48110	2.06	(0.19)	50 5/16" (1278)	5 7/8" (149)	4.93 (0.46)	2.06	(0.19)	63 1/2" (1613)	8.15 (0.76)
ATV50110	2.22	(0.21)	54 5/16" (1380)	5 7/8" (149)	5.33 (0.50)	2.22	(0.21)	63 1/2" (1613)	8.74 (0.81)
ATV1820	0.59	(0.05)	14 5/16" (364)	5 7/8" (149)	1.45 (0.13)	0.59	(0.05)	61 1/2" (1562)	3.11 (0.29)
ATV2020	0.75	(0.07)	18 5/16" (465)	5 7/8" (149)	1.91 (0.18)	0.75	(0.07)	61 1/2" (1562)	3.75 (0.35)
ATV2420	0.91	(0.08)	22 5/16" (567)	5 7/8" (149)	2.38 (0.22)	0.91	(0.08)	61 1/2" (1562)	4.40 (0.41)
ATV2620	0.99	(0.09)	24 5/16" (618)	5 7/8" (149)	2.61 (0.24)	0.99	(0.09)	61 1/2" (1562)	4.72 (0.44)
ATV2820	1.08	(0.10)	26 5/16" (668)	5 7/8" (149)	2.84 (0.26)	1.08	(0.10)	61 1/2" (1562)	5.05 (0.47)
ATV21020	1.16	(0.11)	28 5/16" (719)	5 7/8" (149)	3.07 (0.29)	1.16	(0.11)	61 1/2" (1562)	5.37 (0.50)
ATV3020	1.24	(0.12)	30 5/16" (770)	5 7/8" (149)	3.30 (0.31)	1.24	(0.12)	61 1/2" (1562)	5.69 (0.53)
ATV3220	1.32	(0.12)	32 5/16" (821)	5 7/8" (149)	3.53 (0.33)	1.32	(0.12)	61 1/2" (1562)	6.01 (0.56)
ATV3420	1.40	(0.13)	34 5/16" (872)	5 7/8" (149)	3.76 (0.35)	1.40	(0.13)	61 1/2" (1562)	6.34 (0.59)
ATV3820	1.57	(0.15)	38 5/16" (973)	5 7/8" (149)	4.22 (0.39)	1.57	(0.15)	61 1/2" (1562)	6.98 (0.65)
ATV4020	1.73	(0.16)	42 5/16" (1075)	5 7/8" (149)	4.68 (0.43)	1.73	(0.16)	61 1/2" (1562)	7.63 (0.71)
ATV4420	1.90	(0.18)	46 5/16" (1176)	5 7/8" (149)	5.14 (0.48)	1.90	(0.18)	61 1/2" (1562)	8.28 (0.77)
ATV4820	2.06	(0.19)	50 5/16" (1278)	5 7/8" (149)	5.60 (0.52)	2.06	(0.19)	61 1/2" (1562)	8.92 (0.83)
ATV5020	2.22	(0.21)	54 5/16" (1380)	5 7/8" (149)	6.06 (0.56)	2.22	(0.21)	61 1/2" (1562)	9.57 (0.89)
ATV1822	0.59	(0.05)	14 5/16" (364)	5 7/8" (149)	1.63 (0.15)	0.59	(0.05)	59 1/2" (1511)	3.38 (0.31)
ATV2022	0.75	(0.07)	18 5/16" (465)	5 7/8" (149)	2.14 (0.20)	0.75	(0.07)	59 1/2" (1511)	4.08 (0.38)

- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.

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Venting Transom Window Opening and Area Specifications *(continued)*

Window Number	Clear Opening Sq. Ft./ (m ²)		Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
			Width Inches/ (mm)	Depth Inches/ (mm)				
ATV2422	0.91	(0.08)	22 5/16" (567)	5 7/8" (149)	2.66 (0.25)	0.91 (0.08)	59 1/2" (1511)	4.78 (0.44)
ATV2622	0.99	(0.09)	24 5/16" (618)	5 7/8" (149)	2.92 (0.27)	0.99 (0.09)	59 1/2" (1511)	5.13 (0.48)
ATV2822	1.08	(0.10)	26 5/16" (668)	5 7/8" (149)	3.18 (0.30)	1.08 (0.10)	59 1/2" (1511)	5.48 (0.51)
ATV21022	1.16	(0.11)	28 5/16" (719)	5 7/8" (149)	3.44 (0.32)	1.16 (0.11)	59 1/2" (1511)	5.83 (0.54)
ATV3022	1.24	(0.12)	30 5/16" (770)	5 7/8" (149)	3.69 (0.34)	1.24 (0.12)	59 1/2" (1511)	6.18 (0.57)
ATV3222	1.32	(0.12)	32 5/16" (821)	5 7/8" (149)	3.95 (0.37)	1.32 (0.12)	59 1/2" (1511)	6.53 (0.61)
ATV3422	1.40	(0.13)	34 5/16" (872)	5 7/8" (149)	4.21 (0.39)	1.40 (0.13)	59 1/2" (1511)	6.88 (0.64)
ATV3822	1.57	(0.15)	38 5/16" (973)	5 7/8" (149)	4.73 (0.44)	1.57 (0.15)	59 1/2" (1511)	7.58 (0.70)
ATV4022	1.73	(0.16)	42 5/16" (1075)	5 7/8" (149)	5.24 (0.49)	1.73 (0.16)	59 1/2" (1511)	8.29 (0.77)
ATV4422	1.90	(0.18)	46 5/16" (1176)	5 7/8" (149)	5.76 (0.54)	1.90 (0.18)	59 1/2" (1511)	8.99 (0.84)
ATV4822	2.06	(0.19)	50 5/16" (1278)	5 7/8" (149)	6.28 (0.58)	2.06 (0.19)	59 1/2" (1511)	9.69 (0.90)
ATV5022	2.22	(0.21)	54 5/16" (1380)	5 7/8" (149)	6.79 (0.63)	2.22 (0.21)	59 1/2" (1511)	10.39 (0.97)
ATV1824	0.59	(0.05)	14 5/16" (364)	5 7/8" (149)	1.80 (0.17)	0.59 (0.05)	57 1/2" (1461)	3.64 (0.34)
ATV2024	0.75	(0.07)	18 5/16" (465)	5 7/8" (149)	2.38 (0.22)	0.75 (0.07)	57 1/2" (1461)	4.40 (0.41)
ATV2424	0.91	(0.08)	22 5/16" (567)	5 7/8" (149)	2.95 (0.27)	0.91 (0.08)	57 1/2" (1461)	5.16 (0.48)
ATV2624	0.99	(0.09)	24 5/16" (618)	5 7/8" (149)	3.23 (0.30)	0.99 (0.09)	57 1/2" (1461)	5.54 (0.51)
ATV2824	1.08	(0.10)	26 5/16" (668)	5 7/8" (149)	3.52 (0.33)	1.08 (0.10)	57 1/2" (1461)	5.91 (0.55)
ATV21024	1.16	(0.11)	28 5/16" (719)	5 7/8" (149)	3.81 (0.35)	1.16 (0.11)	57 1/2" (1461)	6.29 (0.58)
ATV3024	1.24	(0.12)	30 5/16" (770)	5 7/8" (149)	4.09 (0.38)	1.24 (0.12)	57 1/2" (1461)	6.67 (0.62)
ATV3224	1.32	(0.12)	32 5/16" (821)	5 7/8" (149)	4.38 (0.41)	1.32 (0.12)	57 1/2" (1461)	7.05 (0.65)
ATV3424	1.40	(0.13)	34 5/16" (872)	5 7/8" (149)	4.66 (0.43)	1.40 (0.13)	57 1/2" (1461)	7.43 (0.69)
ATV3824	1.57	(0.15)	38 5/16" (973)	5 7/8" (149)	5.24 (0.49)	1.57 (0.15)	57 1/2" (1461)	8.18 (0.76)
ATV4034	1.73	(0.16)	42 5/16" (1075)	5 7/8" (149)	5.81 (0.54)	1.73 (0.16)	57 1/2" (1461)	8.94 (0.83)
ATV4424	1.90	(0.18)	46 5/16" (1176)	5 7/8" (149)	6.38 (0.59)	1.90 (0.18)	57 1/2" (1461)	9.70 (0.90)
ATV4824	2.06	(0.19)	50 5/16" (1278)	5 7/8" (149)	6.95 (0.65)	2.06 (0.19)	57 1/2" (1461)	10.46 (0.97)
ATV5024	2.22	(0.21)	54 5/16" (1380)	5 7/8" (149)	7.53 (0.70)	2.22 (0.21)	57 1/2" (1461)	11.21 (1.04)
ATV1826	0.59	(0.05)	14 5/16" (364)	5 7/8" (149)	1.98 (0.18)	0.59 (0.05)	55 1/2" (1410)	3.91 (0.36)
ATV2026	0.75	(0.07)	18 5/16" (465)	5 7/8" (149)	2.61 (0.24)	0.75 (0.07)	55 1/2" (1410)	4.72 (0.44)
ATV2226	0.91	(0.08)	22 5/16" (567)	5 7/8" (149)	3.23 (0.30)	0.91 (0.08)	55 1/2" (1410)	5.54 (0.51)
ATV2426	0.99	(0.09)	24 5/16" (618)	5 7/8" (149)	3.55 (0.33)	0.99 (0.09)	55 1/2" (1410)	5.94 (0.55)
ATV2626	1.08	(0.10)	26 5/16" (668)	5 7/8" (149)	3.86 (0.36)	1.08 (0.10)	55 1/2" (1410)	6.35 (0.59)
ATV2826	1.16	(0.11)	28 5/16" (719)	5 7/8" (149)	4.18 (0.39)	1.16 (0.11)	55 1/2" (1410)	6.75 (0.63)
ATV3026	1.24	(0.12)	30 5/16" (770)	5 7/8" (149)	4.49 (0.42)	1.24 (0.12)	55 1/2" (1410)	7.16 (0.67)
ATV3226	1.32	(0.12)	32 5/16" (821)	5 7/8" (149)	4.80 (0.45)	1.32 (0.12)	55 1/2" (1410)	7.57 (0.70)
ATV3426	1.40	(0.13)	34 5/16" (872)	5 7/8" (149)	5.12 (0.48)	1.40 (0.13)	55 1/2" (1410)	7.97 (0.74)
ATV3826	1.57	(0.15)	38 5/16" (973)	5 7/8" (149)	5.74 (0.53)	1.57 (0.15)	55 1/2" (1410)	8.79 (0.82)
ATV4026	1.73	(0.16)	42 5/16" (1075)	5 7/8" (149)	6.37 (0.59)	1.73 (0.16)	55 1/2" (1410)	9.60 (0.89)
ATV4426	1.90	(0.18)	46 5/16" (1176)	5 7/8" (149)	7.00 (0.65)	1.90 (0.18)	55 1/2" (1410)	10.41 (0.97)
ATV4826	2.06	(0.19)	50 5/16" (1278)	5 7/8" (149)	7.63 (0.71)	2.06 (0.19)	55 1/2" (1410)	11.22 (1.04)
ATV5026	2.22	(0.21)	54 5/16" (1380)	5 7/8" (149)	8.26 (0.77)	2.22 (0.21)	55 1/2" (1410)	12.04 (1.12)
ATV1828	0.59	(0.05)	14 5/16" (364)	5 7/8" (149)	2.15 (0.20)	0.59 (0.05)	53 1/2" (1359)	4.18 (0.39)
ATV2028	0.75	(0.07)	18 5/16" (465)	5 7/8" (149)	2.84 (0.26)	0.75 (0.07)	53 1/2" (1359)	5.05 (0.47)
ATV2428	0.91	(0.08)	22 5/16" (567)	5 7/8" (149)	3.52 (0.33)	0.91 (0.08)	53 1/2" (1359)	5.91 (0.55)
ATV2628	0.99	(0.09)	24 5/16" (618)	5 7/8" (149)	3.86 (0.36)	0.99 (0.09)	53 1/2" (1359)	6.35 (0.59)
ATV2828	1.08	(0.10)	26 5/16" (668)	5 7/8" (149)	4.20 (0.39)	1.08 (0.10)	53 1/2" (1359)	6.78 (0.63)
ATV21028	1.16	(0.11)	28 5/16" (719)	5 7/8" (149)	4.54 (0.42)	1.16 (0.11)	53 1/2" (1359)	7.22 (0.67)
ATV3028	1.24	(0.12)	30 5/16" (770)	5 7/8" (149)	4.89 (0.45)	1.24 (0.12)	53 1/2" (1359)	7.56 (0.70)
ATV3228	1.32	(0.12)	32 5/16" (821)	5 7/8" (149)	5.23 (0.49)	1.32 (0.12)	53 1/2" (1359)	8.08 (0.75)
ATV3428	1.40	(0.13)	34 5/16" (872)	5 7/8" (149)	5.57 (0.52)	1.40 (0.13)	53 1/2" (1359)	8.52 (0.79)
ATV3828	1.57	(0.15)	38 5/16" (973)	5 7/8" (149)	6.25 (0.58)	1.57 (0.15)	53 1/2" (1359)	9.39 (0.87)
ATV4028	1.73	(0.16)	42 5/16" (1075)	5 7/8" (149)	6.94 (0.64)	1.73 (0.16)	53 1/2" (1359)	10.25 (0.95)
ATV4428	1.90	(0.18)	46 5/16" (1176)	5 7/8" (149)	7.62 (0.71)	1.90 (0.18)	53 1/2" (1359)	11.12 (1.03)
ATV4828	2.06	(0.19)	50 5/16" (1278)	5 7/8" (149)	8.30 (0.77)	2.06 (0.19)	53 1/2" (1359)	11.99 (1.11)
ATV5028	2.22	(0.21)	54 5/16" (1380)	5 7/8" (149)	8.99 (0.84)	2.22 (0.21)	53 1/2" (1359)	12.86 (1.19)

- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.

Stationary Transom Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
ATF1410	0.27 (0.03)	1.19 (0.11)
ATF1414	0.51 (0.05)	1.62 (0.15)
ATF1416	0.63 (0.06)	1.83 (0.17)
ATF1418	0.75 (0.07)	2.04 (0.19)
ATF14110	0.87 (0.08)	2.25 (0.21)
ATF1420	0.99 (0.09)	2.46 (0.23)
ATF1422	1.11 (0.10)	2.67 (0.25)
ATF1424	1.23 (0.11)	2.89 (0.27)
ATF1426	1.35 (0.13)	3.10 (0.29)
ATF1428	1.47 (0.14)	3.31 (0.31)
ATF1430	1.71 (0.16)	3.73 (0.35)
ATF1434	1.95 (0.18)	4.16 (0.39)
ATF1810	0.40 (0.04)	1.50 (0.14)
ATF1814	0.75 (0.07)	2.04 (0.19)
ATF1816	0.93 (0.09)	2.31 (0.21)
ATF1818	1.10 (0.10)	2.57 (0.24)
ATF18110	1.28 (0.12)	2.84 (0.26)
ATF1820	1.45 (0.13)	3.11 (0.29)
ATF1822	1.63 (0.15)	3.38 (0.31)
ATF1824	1.80 (0.17)	3.64 (0.34)
ATF1826	1.98 (0.18)	3.91 (0.36)
ATF1828	2.15 (0.20)	4.18 (0.39)
ATF1830	2.50 (0.23)	4.71 (0.44)
ATF1834	2.85 (0.26)	5.25 (0.49)
ATF2010	0.53 (0.05)	1.82 (0.17)
ATF2014	0.99 (0.09)	2.46 (0.23)
ATF2016	1.22 (0.11)	2.79 (0.26)
ATF2018	1.45 (0.13)	3.11 (0.29)
ATF20110	1.68 (0.16)	3.43 (0.32)
ATF2020	1.91 (0.18)	3.75 (0.35)
ATF2022	2.14 (0.20)	4.08 (0.38)
ATF2024	2.37 (0.22)	4.40 (0.41)
ATF2026	2.61 (0.24)	4.72 (0.44)
ATF2028	2.84 (0.26)	5.05 (0.47)
ATF2030	3.30 (0.31)	5.69 (0.53)
ATF2034	3.76 (0.35)	6.34 (0.59)
ATF2410	0.66 (0.06)	2.13 (0.20)
ATF2414	1.23 (0.11)	2.89 (0.27)
ATF2416	1.52 (0.14)	3.26 (0.30)
ATF2418	1.80 (0.17)	3.64 (0.34)
ATF24110	2.09 (0.19)	4.02 (0.37)
ATF2420	2.37 (0.22)	4.40 (0.41)
ATF2422	2.66 (0.25)	4.78 (0.44)
ATF2424	2.95 (0.27)	5.16 (0.48)
ATF2426	3.23 (0.30)	5.54 (0.51)
ATF2428	3.52 (0.33)	5.91 (0.55)
ATF2430	4.09 (0.38)	6.67 (0.62)
ATF2434	4.66 (0.43)	7.43 (0.69)
ATF2610	0.72 (0.07)	2.29 (0.21)
ATF2614	1.35 (0.13)	3.10 (0.29)
ATF2616	1.66 (0.15)	3.50 (0.33)
ATF2618	1.98 (0.18)	3.91 (0.36)
ATF26110	2.29 (0.21)	4.32 (0.40)
ATF2620	2.61 (0.24)	4.72 (0.44)
ATF2622	2.92 (0.27)	5.13 (0.48)
ATF2624	3.23 (0.30)	5.54 (0.51)
ATF2626	3.55 (0.33)	5.94 (0.55)
ATF2628	3.86 (0.36)	6.35 (0.59)
ATF2630	4.49 (0.42)	7.16 (0.67)

- Dimensions in parentheses are in square meters.

continued on next page

Stationary Transom Window Area Specifications *(continued)*

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
ATF2634	5.12 (0.48)	7.97 (0.74)
ATF2810	0.79 (0.07)	2.44 (0.23)
ATF2814	1.47 (0.14)	3.31 (0.31)
ATF2816	1.81 (0.17)	3.74 (0.35)
ATF2818	2.15 (0.20)	4.18 (0.39)
ATF28110	2.49 (0.23)	4.61 (0.43)
ATF2820	2.84 (0.26)	5.05 (0.47)
ATF2822	3.18 (0.30)	5.48 (0.51)
ATF2824	3.52 (0.33)	5.91 (0.55)
ATF2826	3.86 (0.36)	6.35 (0.59)
ATF2828	4.20 (0.39)	6.78 (0.63)
ATF2830	4.89 (0.45)	7.65 (0.71)
ATF2834	5.57 (0.52)	8.52 (0.79)
ATF21010	0.85 (0.08)	2.60 (0.24)
ATF21014	1.59 (0.15)	3.52 (0.33)
ATF21016	1.96 (0.18)	3.98 (0.37)
ATF21018	2.33 (0.22)	4.44 (0.41)
ATF210110	2.70 (0.25)	4.91 (0.46)
ATF21020	3.07 (0.29)	5.37 (0.50)
ATF21022	3.44 (0.32)	5.83 (0.54)
ATF21024	3.81 (0.35)	6.29 (0.58)
ATF21026	4.17 (0.39)	6.75 (0.63)
ATF21028	4.54 (0.42)	7.22 (0.67)
ATF21030	5.28 (0.49)	8.14 (0.76)
ATF21034	6.02 (0.56)	9.06 (0.84)
ATF3010	0.91 (0.08)	2.75 (0.26)
ATF3014	1.71 (0.16)	3.73 (0.35)
ATF3016	2.11 (0.20)	4.22 (0.39)
ATF3018	2.50 (0.23)	4.71 (0.44)
ATF30110	2.90 (0.27)	5.20 (0.48)
ATF3020	3.30 (0.31)	5.69 (0.53)
ATF3022	3.69 (0.34)	6.18 (0.57)
ATF3024	4.09 (0.38)	6.67 (0.62)
ATF3026	4.49 (0.42)	7.16 (0.67)
ATF3028	4.89 (0.45)	7.65 (0.71)
ATF3030	5.68 (0.53)	8.63 (0.80)
ATF3034	6.47 (0.60)	9.61 (0.89)
ATF3210	0.98 (0.09)	2.91 (0.27)
ATF3214	1.83 (0.17)	3.94 (0.37)
ATF3216	2.25 (0.21)	4.46 (0.41)
ATF3218	2.68 (0.25)	4.98 (0.46)
ATF32110	3.10 (0.29)	5.50 (0.51)
ATF3220	3.53 (0.33)	6.01 (0.56)
ATF3222	3.95 (0.37)	6.53 (0.61)
ATF3224	4.38 (0.41)	7.05 (0.65)
ATF3226	4.80 (0.45)	7.57 (0.70)
ATF3228	5.23 (0.49)	8.08 (0.75)
ATF3230	6.08 (0.56)	9.12 (0.85)
ATF3234	6.93 (0.64)	10.15 (0.94)
ATF3410	1.04 (0.10)	3.07 (0.29)
ATF3414	1.95 (0.18)	4.16 (0.39)
ATF3416	2.40 (0.22)	4.70 (0.44)
ATF3418	2.85 (0.26)	5.25 (0.49)
ATF34110	3.31 (0.31)	5.79 (0.54)
ATF3420	3.76 (0.35)	6.34 (0.59)
ATF3422	4.21 (0.39)	6.88 (0.64)
ATF3424	4.66 (0.43)	7.43 (0.69)
ATF3426	5.12 (0.48)	7.97 (0.74)
ATF3428	5.57 (0.52)	8.52 (0.79)
ATF3430	6.47 (0.60)	9.61 (0.89)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
ATF3434	7.38 (0.69)	10.70 (0.99)
ATF3810	1.17 (0.11)	3.38 (0.31)
ATF3814	2.19 (0.20)	4.58 (0.43)
ATF3816	2.69 (0.25)	5.18 (0.48)
ATF3818	3.20 (0.30)	5.78 (0.54)
ATF38110	3.71 (0.34)	6.38 (0.59)
ATF3820	4.22 (0.39)	6.98 (0.65)
ATF3822	4.73 (0.44)	7.58 (0.70)
ATF3824	5.24 (0.49)	8.18 (0.76)
ATF3826	5.74 (0.53)	8.79 (0.82)
ATF3828	6.25 (0.58)	9.39 (0.87)
ATF3830	7.27 (0.68)	10.59 (0.98)
ATF3834	8.29 (0.77)	11.79 (1.10)
ATF4010	1.30 (0.12)	3.69 (0.34)
ATF4014	2.42 (0.22)	5.00 (0.46)
ATF4016	2.99 (0.28)	5.66 (0.53)
ATF4018	3.55 (0.33)	6.32 (0.59)
ATF40110	4.12 (0.38)	6.97 (0.65)
ATF4020	4.68 (0.43)	7.63 (0.71)
ATF4022	5.24 (0.49)	8.29 (0.77)
ATF4024	5.81 (0.54)	8.94 (0.83)
ATF4026	6.37 (0.59)	9.60 (0.89)
ATF4028	6.94 (0.64)	10.25 (0.95)
ATF4030	8.06 (0.75)	11.57 (1.07)
ATF4034	9.19 (0.85)	12.88 (1.20)
ATF4410	1.42 (0.13)	4.00 (0.37)
ATF4414	2.66 (0.25)	5.43 (0.50)
ATF4416	3.28 (0.30)	6.14 (0.57)
ATF4418	3.90 (0.36)	6.85 (0.64)
ATF44110	4.52 (0.42)	7.56 (0.70)
ATF4420	5.14 (0.48)	8.27 (0.77)
ATF4422	5.76 (0.54)	8.99 (0.84)
ATF4424	6.38 (0.59)	9.70 (0.90)
ATF4426	7.00 (0.65)	10.41 (0.97)
ATF4428	7.62 (0.71)	11.12 (1.03)
ATF4430	8.86 (0.82)	12.55 (1.17)
ATF4434	10.10 (0.94)	13.97 (1.30)
ATF4810	1.55 (0.14)	4.32 (0.40)
ATF4814	2.90 (0.27)	5.85 (0.54)
ATF4816	3.58 (0.33)	6.62 (0.62)
ATF4818	4.25 (0.39)	7.39 (0.69)
ATF48110	4.93 (0.46)	8.15 (0.76)
ATF4820	5.60 (0.52)	8.92 (0.83)
ATF4822	6.28 (0.58)	9.69 (0.90)
ATF4824	6.95 (0.65)	10.46 (0.97)
ATF4826	7.63 (0.71)	11.22 (1.04)
ATF4828	8.30 (0.77)	11.99 (1.11)
ATF4830	9.65 (0.90)	13.52 (1.26)
ATF4834	11.00 (1.02)	15.06 (1.40)
ATF5010	1.68 (0.16)	4.63 (0.43)
ATF5014	3.14 (0.29)	6.27 (0.58)
ATF5016	3.87 (0.36)	7.10 (0.66)
ATF5018	4.60 (0.43)	7.92 (0.74)
ATF50110	5.33 (0.50)	8.74 (0.81)
ATF5020	6.06 (0.56)	9.57 (0.89)
ATF5022	6.79 (0.63)	10.39 (0.97)
ATF5024	7.52 (0.70)	11.21 (1.04)
ATF5026	8.26 (0.77)	12.04 (1.12)
ATF5028	8.99 (0.84)	12.86 (1.19)
ATF5030	10.45 (0.97)	14.50 (1.35)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
ATF5034	11.91 (1.11)	16.15 (1.50)
ATF5410	1.81 (0.17)	4.94 (0.46)
ATF5414	3.38 (0.31)	6.70 (0.62)
ATF5416	4.17 (0.39)	7.58 (0.70)
ATF5418	4.95 (0.46)	8.46 (0.79)
ATF54110	5.74 (0.53)	9.33 (0.87)
ATF5420	6.52 (0.61)	10.21 (0.95)
ATF5422	7.31 (0.68)	11.09 (1.03)
ATF5424	8.10 (0.75)	11.97 (1.11)
ATF5426	8.88 (0.82)	12.85 (1.19)
ATF5428	9.67 (0.90)	13.73 (1.28)
ATF5430	11.24 (1.04)	15.48 (1.44)
ATF5434	12.81 (1.19)	17.24 (1.60)
ATF5810	1.94 (0.18)	5.25 (0.49)
ATF5814	3.62 (0.34)	7.12 (0.66)
ATF5816	4.46 (0.41)	8.06 (0.75)
ATF5818	5.30 (0.49)	8.99 (0.84)
ATF58110	6.14 (0.57)	9.92 (0.92)
ATF5820	6.99 (0.65)	10.86 (1.01)
ATF5822	7.83 (0.73)	11.79 (1.10)
ATF5824	8.67 (0.81)	12.73 (1.18)
ATF5826	9.51 (0.88)	13.66 (1.27)
ATF5828	10.35 (0.96)	14.59 (1.36)
ATF5830	12.04 (1.12)	16.46 (1.53)
ATF5834	13.72 (1.27)	18.33 (1.70)
ATF6010	2.06 (0.19)	5.57 (0.52)
ATF6014	3.86 (0.36)	7.55 (0.70)
ATF6016	4.76 (0.44)	8.54 (0.79)
ATF6018	5.65 (0.52)	9.52 (0.88)
ATF60110	6.55 (0.61)	10.51 (0.98)
ATF6020	7.45 (0.69)	11.50 (1.07)
ATF6022	8.34 (0.77)	12.49 (1.16)
ATF6024	9.24 (0.86)	13.48 (1.25)
ATF6026	10.14 (0.94)	14.47 (1.34)
ATF6028	11.04 (1.03)	15.46 (1.44)
ATF6030	12.83 (1.19)	17.44 (1.62)
ATF6034	14.62 (1.36)	19.42 (1.80)

• Dimensions in parentheses are in square meters.

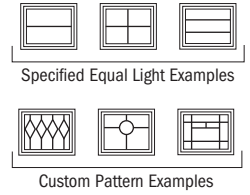
Grille Patterns

	Diamond	Prairie A	Colonial
Transom			

• Andersen® Finelight™ grilles available in 3/4" (19) profile only.

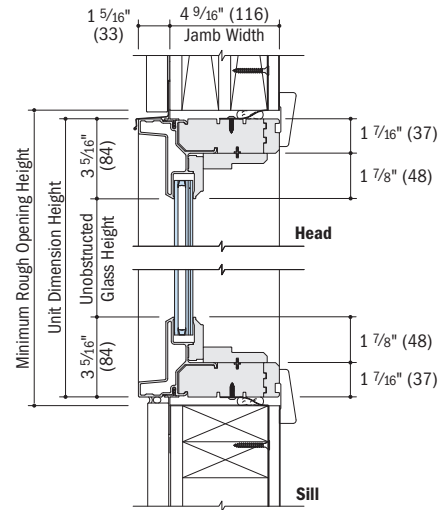
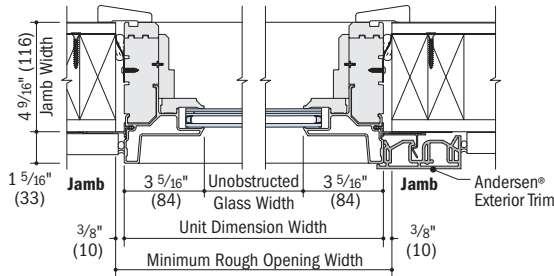
Number of lights and overall pattern varies with window size. Patterns shown may not be available for all sizes.

Specified equal light and custom patterns are also available.
For more information on divided light see pages 18-19 or visit andersenwindows.com/grilles.



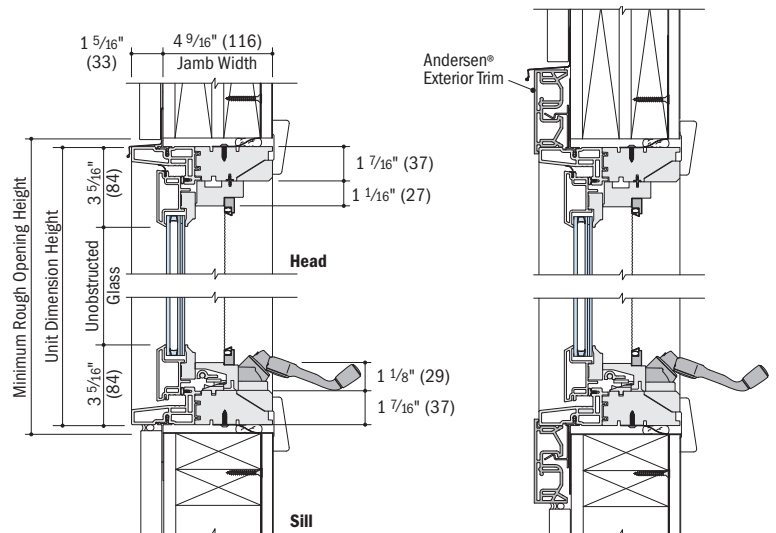
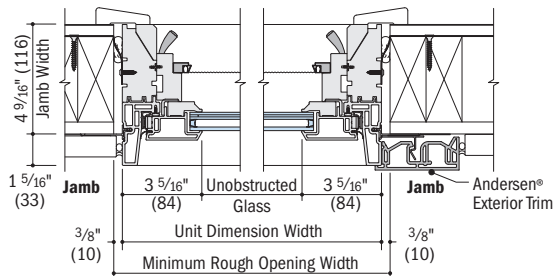
Stationary Transom Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Venting Transom Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



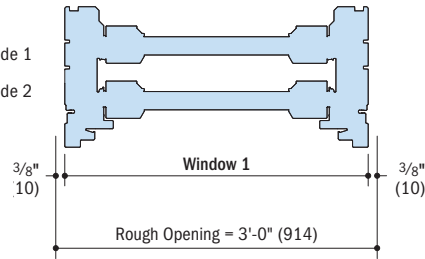
See pages 49-51 for horizontal and vertical joining details.

- 4 9/16" (116) jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

Minimum Rough Opening Calculation Examples

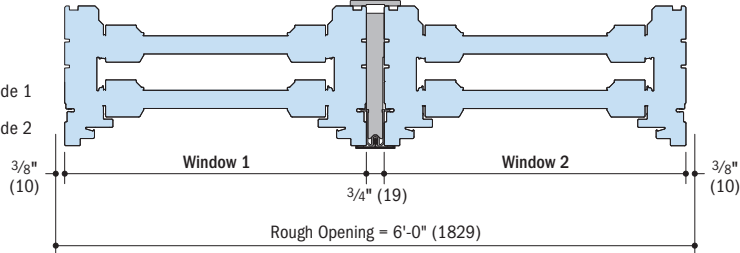
Minimum Rough Opening Calculation for Single Windows

2'-11 1/4" (895)	Width dimension, window 1
+ 3/8" (10)	Rough opening clearance, side 1
+ 3/8" (10)	Rough opening clearance, side 2
3'-0" (914)	Total



Minimum Rough Opening Calculation for Two Vertical Joined Windows

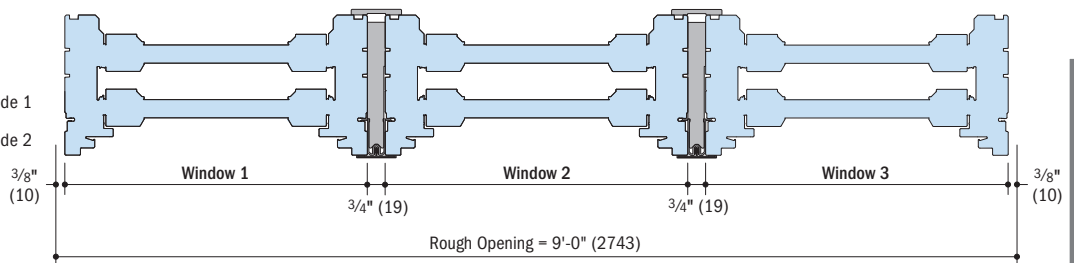
2'-11 1/4" (895)	Width dimension, window 1
2'-11 1/4" (895)	Width dimension, window 2
+ 3/8" (10)	Rough opening clearance, side 1
+ 3/8" (10)	Rough opening clearance, side 2
+ 3/4" (19)	LVL joining material
6'-0" (1829)	Total



For factory joined windows modular sizing allows for easy calculating.

Minimum Rough Opening Calculation for Three Vertical Joined Windows

2'-11 1/4" (895)	Width dimension, window 1
2'-11 1/4" (895)	Width dimension, window 2
2'-11 1/4" (895)	Width dimension, window 3
+ 3/8" (10)	Rough opening clearance, side 1
+ 3/8" (10)	Rough opening clearance, side 2
+ 3/4" (19)	LVL joining material
+ 3/4" (19)	LVL joining material
9'-0" (2743)	Total



• Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
• Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
• Structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.

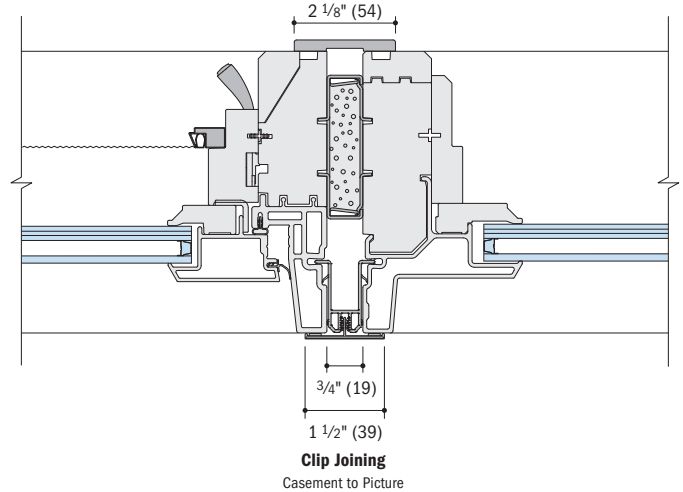
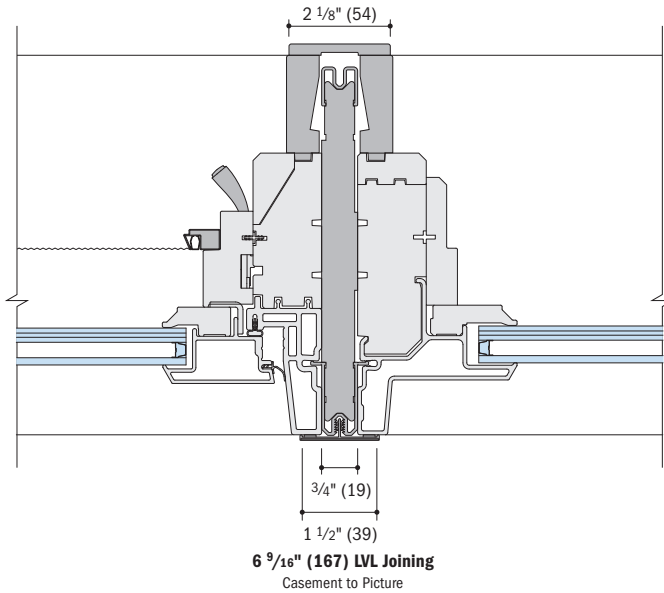
Vertical Joining Methods

Scale 3" (76) = 1'-0" (305) – 1:4

4 9/16" (116) or 6 9/16" (167) Laminated Veneer Lumber (LVL) or clip joining methods are available for A-Series windows.

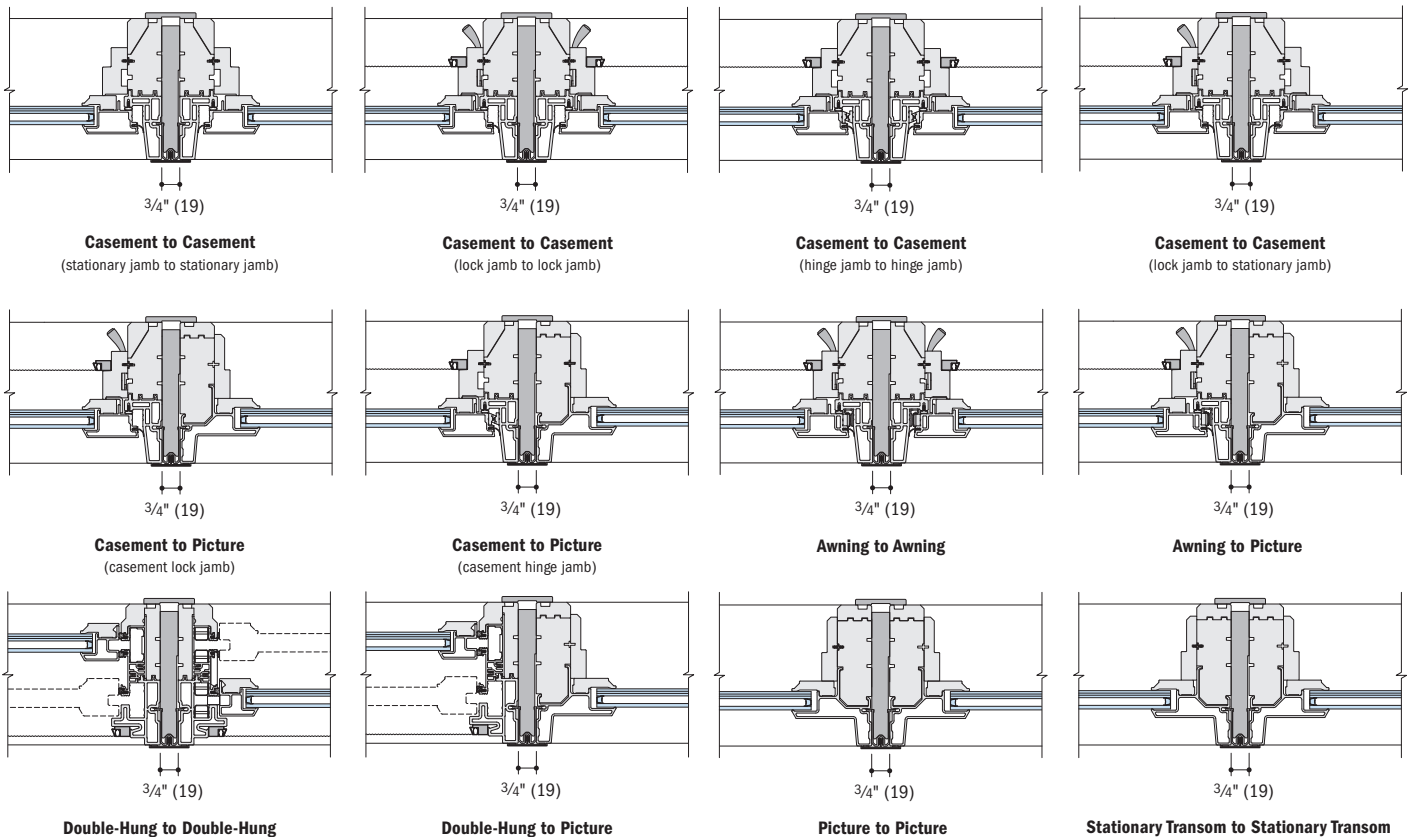
Overall Window Dimension Width Sum of individual window widths plus 3/4" (19).

Overall Minimum Rough Opening Width Overall window dimension width plus 3/4" (19).



Vertical (ribbon) 4 9/16" LVL Joining Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.

Horizontal Joining Methods

Scale 3" (76) = 1'-0" (305) – 1:4

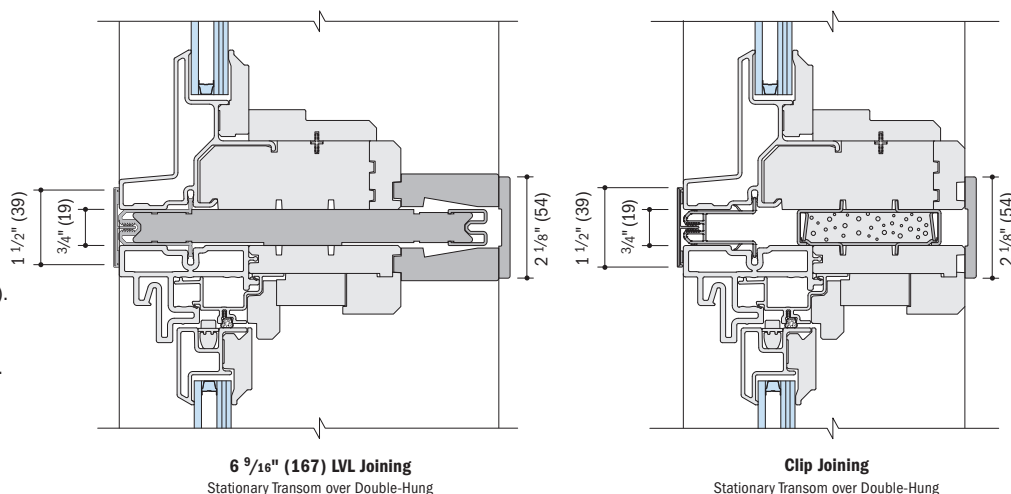
4 9/16" (116) or 6 9/16" (167) Laminated Veneer Lumber (LVL) or clip joining methods are available for A-Series windows.

Overall Window Dimension Height

Sum of individual window heights plus 3/4" (19).

Overall Minimum Rough Opening Height

Overall window dimension height plus 3/4" (19).



6 9/16" (167) LVL Joining

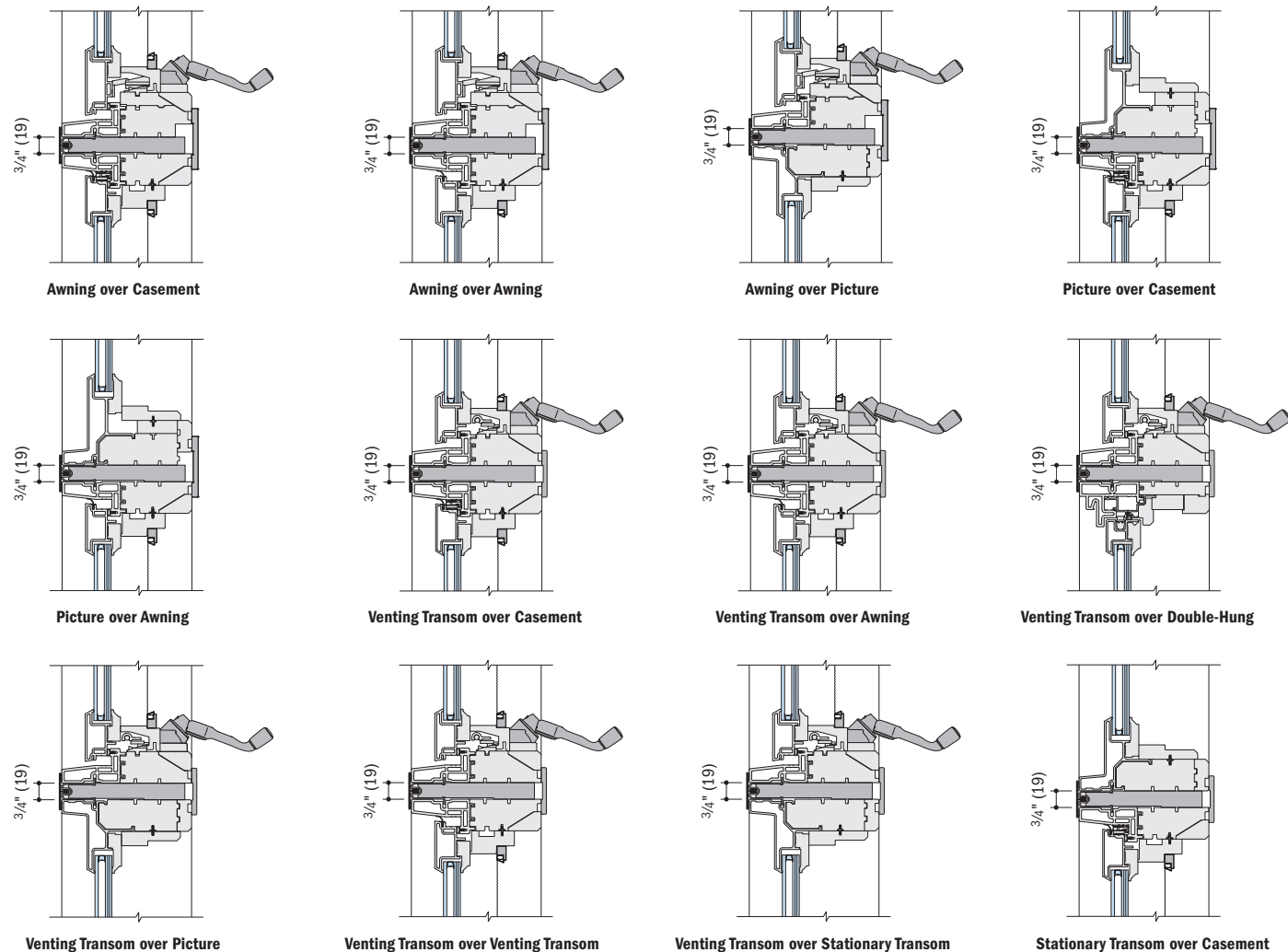
Stationary Transom over Double-Hung

Clip Joining

Stationary Transom over Double-Hung

Horizontal (stack) 4 9/16" LVL Joining Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



For more information on vertical or horizontal joining refer to the combination designs section starting on page 193.

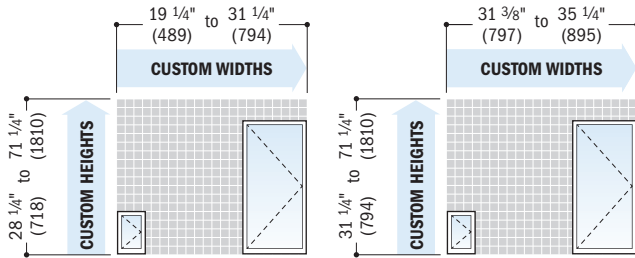
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.

Custom Sizes & Specifications



A-Series windows are available in 1/8" (3) increments between minimum and maximum widths and heights shown. Some restrictions apply. Contact your Andersen supplier for custom-sized specialty windows.

Casement Windows

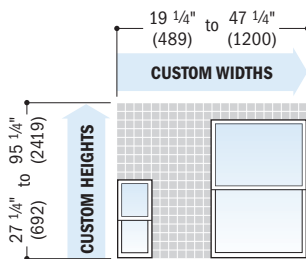


Required hinge type for casement windows is based on size and window performance. To determine which clear opening formula to use, first contact an Andersen representative to identify the required hinge type.

Clear Opening 	Width = window width - 9.42" (239) = window width - 6.76" (172) = window width - 10.94" (278) = 2.76" (70) + (0.95" (24) x (window width - 9.34" (237))) Height = window height - 5.65" (144)	<i>Split arm operator and 10" (254) standard hinge</i> <i>Split arm operator and 10" (254) egress hinge</i> <i>Split arm operator and 13" (330) standard hinge</i> <i>Split arm operator and 13" (330) standard hinge with 72" (1829) vent limiter</i>	Minimum R.O. 	Width = window width + 3/4" (19) Height = window height + 3/4" (19)
Vent Opening 	Width = window width - 6.54" (166) = window width - 5.65" (144)		Unobstr. Glass 	Height = window height - 6.65" (169) Width = window width - 7.45" (189)

• All casement windows wider than 2'-3 1/4" (692) and taller than 3'-11 1/4" (1200) meet or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

Double-Hung Windows

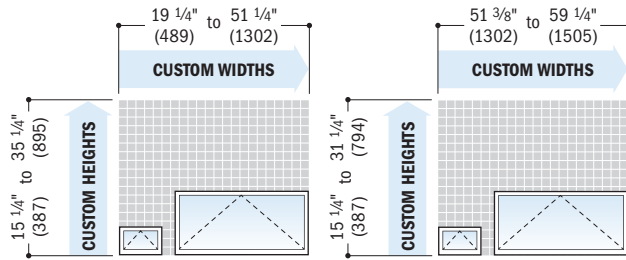


For cottage and reverse cottage window sizes and opening specifications contact your Andersen supplier.

Clear Opening 	Width = window width - 4.06" (103) Height = (window height ÷ 2) - 4.65" (118)	Minimum R.O. 	Width = window width + 3/4" (19) Height = window height + 3/4" (19)
Vent Opening 	Width = window width - 4.06" (103) Height = (window height ÷ 2) - 4.32" (110)	Unobstr. Glass 	Height = window height - 6.65" (169) Width = window width - 9.65" (245) Single Sash Height = (window width - 9.65" (245)) ÷ 2

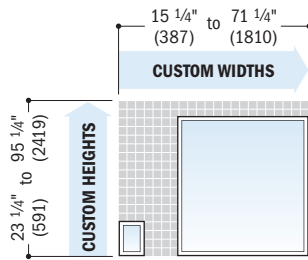
• All double-hung windows wider than 3'-1 1/4" (946) and taller than 4'-11 1/4" (1505) meet or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

Awning Windows

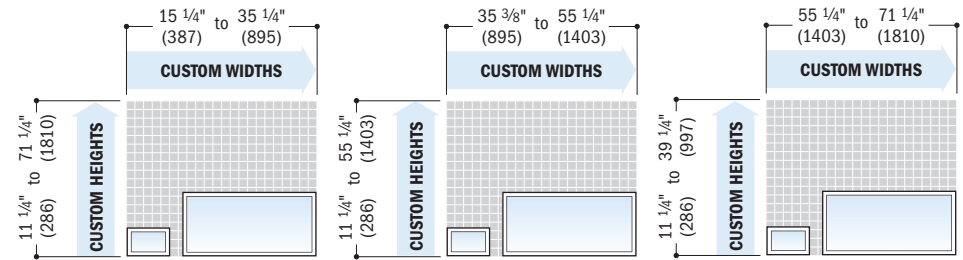


Clear Opening 	Width = window width - 4.94" (125) Height = 5.88" (149)	Minimum R.O. 	Width = window width + 3/4" (19) Height = window height + 3/4" (19)
Vent Opening 	Width = window width - 4.94" (125) Height = 5.88" (149)	Unobstr. Glass 	Height = window height - 6.65" (169) Width = window width - 7.45" (189)

Picture Windows

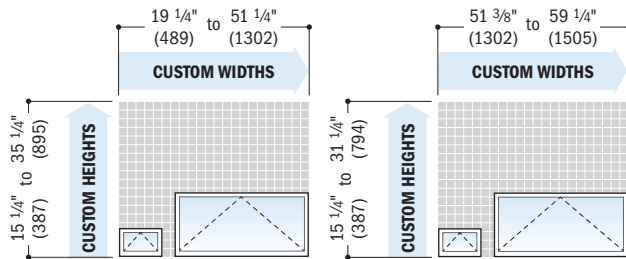


Stationary Transom Windows



Minimum R.O.	Width = window width + 3/4" (19)	Unobstr. Glass	Picture Window	Stationary Transom Window
	Height = window height + 3/4" (19)			Width = window width - 6.65" (169)
			Height = window height - 7.45" (189)	Height = window height - 6.65" (169)

Venting Transom Windows



Clear Opening 	Width = window width - 4.94" (125) Height = 5.88" (149)	Minimum R.O. 	Width = window width + 3/4" (19) Height = window height + 3/4" (19)
Vent Opening 	Width = window width - 4.94" (125) Height = 5.88" (149)	Unobstr. Glass 	Height = window height - 6.65" (169) Width = window width - 6.65" (169)

This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.

SPECIALTY WINDOWS

CUSTOM SIZING!
in 1/8" (3) increments



SECTION REFERENCE

Half Circle, Elliptical & Quarter Circle

Table of Sizes.....	58–61
Direct-Set Specifications	65
Sash-Set Specifications.....	66–67
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Unequal Leg Arch

Table of Sizes.....	62–63
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Octagon, Circle & Oval

Table of Sizes.....	64
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Trapezoid

Arch

Table of Sizes.....	68–80
Direct-Set Specifications	72–73, 77–78
Sash-Set Specifications	78–79, 81
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Springline™

Table of Sizes.....	82–88
Direct-Set Specifications	89–90
Sash-Set Specifications.....	91–92
Grille Patterns	89

Window Details

Joining Details.....

Combination Designs

Performance Data.....

Warranty.....

Dimensions in parentheses are in millimeters.

FEATURES

Frame

A Frame constructed with a wood core and protected with a heavy-duty extruded aluminum cladding. This construction produces a rigid frame and a low-maintenance, durable exterior with no exposed ends. Standard coastal cladding has a 70% Kynar® Fluoropolymer coating that meets AAMA 2605.

B A factory-applied rigid vinyl flange helps seal the unit to the structure.

C Factory-applied installation clips are standard for anchoring to the building. Mounted around the perimeter, the clips rotate into position and can be bent into place against the framing members to suit all jamb conditions.



Direct-Set Window

D Wood members are treated with a water-repellent preservative for long-lasting* protection and performance. Radii are made of laminated continuous veneers. Lineal components are solid or engineered wood with a pine core.

Sash

Available in Direct-Set or Sash-Set construction. Direct-Set windows have glass glazed directly into the frame and maximize glass area. Sash-Set windows feature a stationary sash and provide common sight lines with other A-Series operating windows.

Sash constructed with a wood core and protected with a heavy-duty aluminum cladding. This construction produces a rigid sash and a low-maintenance, durable exterior. Standard coastal cladding has a 70% Kynar® Fluoropolymer coating that meets AAMA 2605.

Traditional architectural style:

- Classic chamfer detailing
- The look of mortise-and-tenon joinery

E Natural wood interiors are treated with a water-repellent wood preservative for long-lasting* protection and performance.

Glass

¾" (19) impact-resistant construction provides exceptional energy performance, sound control and added security.

High-performance impact-resistant glass options include:

- Low-E4® impact-resistant glass
- Low-E4 SmartSun™ impact-resistant glass
- Low-E4 Sun impact-resistant glass
- Low-E4 tempered impact-resistant glass options available

G Silicone glazing fillet bead combined with two-sided silicone tape provides superior weathertightness.

A removable translucent film helps shield the glass from damage during delivery and construction and simplifies finishing at the jobsite.

SHAPE EXAMPLES

SEE PAGES 58–94 FOR ALL AVAILABLE SHAPES AND SIZES



EXTERIOR

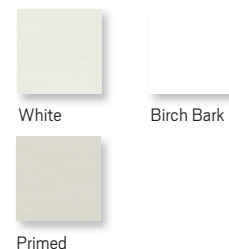


INTERIOR

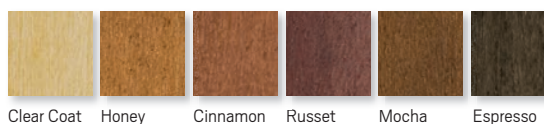
INTERIOR WOOD SPECIES



PAINTED INTERIORS



FACTORY-FINISHED INTERIORS



Naturally occurring variations in grain, color and texture of wood make each window one of a kind. All wood interiors are unfinished unless a finish is specified.

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the A-Series Limited Warranty.

**Actual wood is Sapele, a non-endangered species of mahogany grown in Africa, with color and characteristics similar to American mahoganies. Dimensions in parentheses are in millimeters.

"Kynar" is a registered trademark of Arkema, Inc.

Printing limitations prevent exact duplication of colors and finishes. See your Andersen supplier for actual color and finish samples.

ACCESSORIES

Frame

Extension Jambs

Extension jambs are available in pine, oak and maple, precut to fit the unit. Available in $\frac{1}{16}$ " (1.5) increments up to 7 $\frac{1}{8}$ " (181) and can be prefinished to match the interior finish of the unit. This option is also available factory applied.

Additional dimensions are also available. Contact your Andersen supplier for more information.

Interior Arch Casing

Available in Colonial or Ranch styles. Two transition blocks come with each arch casing. Arch window casings come with plinth blocks. For easy integration and consistency, casing dimensions are consistent with Wood Moulding and Millwork Producers Association specifications.



2 $\frac{1}{4}$ " (57) Colonial style, in oak, maple and pine. WM366.



2 $\frac{1}{2}$ " (64) Colonial style, in oak, maple and pine. WM351.



3 $\frac{1}{2}$ " (89) Colonial style, in oak, maple and pine. WM444.



2 $\frac{1}{4}$ " (57) Ranch style, in oak, maple and pine. WM324.

2 $\frac{1}{2}$ " (64) Ranch style, in oak, maple and pine. WM315.

Plinth Blocks

For enhancing casing transitions. Decorated with a radial sunburst, or use the reverse side flush face.



For arch windows: 2 $\frac{7}{8}$ " (73) x 4" (102) size for use with 2 $\frac{1}{4}$ " (57) and 2 $\frac{1}{2}$ " (64) casing, 3 $\frac{7}{8}$ " (98) x 5 $\frac{1}{4}$ " (133) size for use with 3 $\frac{1}{2}$ " (89) casing.



For half circle elliptical, circle and oval windows: 2 $\frac{7}{8}$ " (73) size for use with 2 $\frac{1}{4}$ " (57) and 2 $\frac{1}{2}$ " (64) casing, 3 $\frac{7}{8}$ " (98) size for use with 3 $\frac{1}{2}$ " (89) casing.

Grilles

Grilles are available in a variety of configurations and widths. For specialty grille patterns see pages 61, 63, 64 and 89.

Exterior Trim

This product is available with Andersen® Exterior Trim. See pages 129–136 for details.

Table of Direct-Set Half Circle Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-11 1/4" (591)	2'-0 1/8" (613)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-6 1/8" (765)
Minimum Rough Opening	2'-0" (609)	2'-1" (635)	2'-4" (711)	2'-6" (762)	2'-7" (787)
Unobstructed Glass	18 7/8" (478)	19 3/4" (501)	22 15/16" (582)	24 15/16" (633)	25 13/16" (656)
11 5/8" (295)	1'-0 3/8" (314)	1'-0 1/16" (306)	1'-1 5/8" (346)	1'-2 5/8" (371)	1'-3 1/16" (383)
7 5/8" (194)	8 1/16" (205)	8 1/16" (205)	9 5/8" (244)	10 5/8" (270)	11 1/16" (281)
ATCTD20		ATCTD21	ATCTD24	ATCTD26	ATCTD27
2'-7 1/4" (794)	2'-8" (813)	2'-8 1/8" (816)	2'-8 3/8" (822)	2'-9 1/4" (845)	2'-11 1/4" (895)
27" (685)	27 13/16" (707)	27 13/16" (707)	28 1/8" (714)	29" (736)	31" (787)
1'-3 5/8" (397)	1'-4 3/8" (416)	1'-4 1/16" (408)	1'-4 3/16" (411)	1'-4 5/8" (422)	1'-5 5/8" (448)
11 5/8" (295)	12 1/16" (306)	12 1/16" (306)	12 3/16" (310)	12 5/8" (321)	13 5/8" (346)
ATCTD28	ATCTD29	ATCTD29G**	ATCTD210	ATCTD30	
3'-0 1/8" (918)	3'-1" (940)	3'-1 1/4" (946)	3'-2 1/8" (968)	3'-2 3/8" (975)	3'-3 1/4" (997)
31 7/8" (810)	33" (838)	33" (838)	33 7/8" (861)	34 1/8" (867)	35" (890)
1'-6 1/16" (459)	1'-6 5/8" (473)	1'-7 3/8" (492)	1'-7 1/16" (484)	1'-7 3/16" (487)	1'-7 5/8" (498)
14 1/16" (357)	14 5/8" (371)	14 5/8" (371)	15 1/16" (383)	15 3/16" (386)	15 5/8" (397)
ATCTD31	ATCTD32	ATCTD33	ATCTD33G**	ATCTD34	
3'-7 1/4" (1099)	3'-8 3/8" (1127)	3'-11 1/4" (1200)	4'-2 3/8" (1280)	4'-3 1/4" (1302)	4'-3 1/4" (1302)
39 1/16" (992)	40 3/16" (1020)	43 1/16" (1094)	46 3/16" (1174)	47 1/8" (1196)	47 1/8" (1196)
1'-9 5/8" (549)	1'-10 3/8" (568)	1'-10 15/16" (583)	1'-11 5/8" (600)	2'-1 3/16" (640)	2'-1 5/8" (651)
17 5/8" (448)	18 3/16" (462)	19 5/8" (498)	21 3/16" (538)	21 5/8" (549)	21 5/8" (549)
ATCTD38	ATCTD39	ATCTD40	ATCTD43	ATCTD44	
4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	5'-7 1/4" (1708)	5'-7 1/4" (1708)
51 1/8" (1298)	55 1/8" (1400)	59 1/8" (1502)	63 1/8" (1603)	63 1/8" (1603)	63 1/8" (1603)
2'-3 5/8" (702)	2'-5 5/8" (752)	2'-7 5/8" (803)	2'-9 5/8" (854)	2'-10 3/8" (873)	2'-10 3/8" (873)
23 5/8" (600)	25 5/8" (651)	27 5/8" (702)	29 5/8" (752)	29 5/8" (752)	29 5/8" (752)
ATCTD48	ATCTD50	ATCTD54	ATCTD58		
5'-11 1/4" (1810)	6'-3 1/4" (1911)	6'-7 1/4" (2013)	6'-11 1/4" (2115)	6'-11 1/4" (2115)	6'-11 1/4" (2115)
67 1/8" (1705)	71 1/8" (1807)	75 1/8" (1909)	79 1/8" (2010)	79 1/8" (2010)	79 1/8" (2010)
2'-11 5/8" (905)	3'-1 5/8" (956)	3'-4 3/8" (1006)	3'-5 5/8" (1057)	3'-6 3/8" (1076)	3'-6 3/8" (1076)
31 5/8" (803)	33 5/8" (854)	35 5/8" (905)	37 5/8" (956)	37 5/8" (956)	37 5/8" (956)
ATCTD60	ATCTD64	ATCTD68	ATCTD70		

• "Window Dimension" always refers to outside frame to frame dimension.

• "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.

• Dimensions in parentheses are in millimeters.

**Sized to fit over a single-panel stationary A-Series Frenchwood® Gliding Patio Door.

Table of Direct-Set Elliptical Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	3'-11 1/4" (1200)	4'-3 1/4" (1302)	4'-7 1/4" (1403)
Minimum Rough Opening	4'-0" (1219)	4'-4" (1321)	4'-8" (1423)
Unobstructed Glass	41 9/16" (1056)	45 3/4" (1162)	50 3/8" (1280)

11 7/8" (302)	1'-0 5/8" (321)	7 7/8" (200)		1'-0 5/8" (321)	1'-1 3/8" (340)	8 5/8" (219)		1'-1 1/4" (337)	1'-2" (356)	9 1/4" (235)	
ATETD40				ATETD44				ATETD48			
4'-11 1/4" (1505)				5'-3 1/4" (1607)				5'-7 1/4" (1708)			
5'-0" (1524)				5'-4" (1626)				5'-8" (1728)			
54 11/16" (1390)				59 1/16" (1499)				63 3/16" (1604)			

1'-2" (356)	1'-2 3/4" (375)	10" (254)		1'-2 3/4" (375)	1'-3 1/2" (394)	10 3/4" (273)		1'-3 1/2" (394)	1'-4 1/4" (413)	11 1/2" (292)	
ATETD50				ATETD54				ATETD58			
5'-11 1/4" (1810)				6'-3 1/4" (1911)				6'-7 1/4" (2013)			
6'-0" (1828)				6'-4" (1930)				6'-8" (2033)			
66 13/16" (1696)				70 13/16" (1799)				75 1/8" (1907)			

1'-4 1/8" (410)	1'-4 7/8" (429)	12 1/8" (308)		1'-4 7/8" (429)	1'-5 5/8" (448)	12 7/8" (327)		1'-5 5/8" (448)	1'-6 3/8" (467)	13 5/8" (346)	
ATETD60				ATETD64				ATETD68			
6'-11 1/4" (2115)				7'-3 1/4" (2216)				6'-7 1/4" (2013)			
7'-0" (2134)				7'-4" (2235)				6'-8" (2033)			
79 3/16" (2011)				82 7/8" (2105)				75 1/8" (1907)			

1'-6 3/8" (467)	1'-7 1/8" (486)	14 3/8" (365)		1'-7" (483)	1'-7 3/4" (502)	15" (381)	
ATETD70				ATETD74			
7'-10 7/16" (2399)				7'-11 1/4" (2419)			
7'-11" (2413)				8'-0" (2438)			
90 1/16" (2288)				90 7/8" (2309)			

1'-8 3/8" (518)	1'-9 1/8" (537)	16 3/8" (416)		1'-8 1/2" (521)	1'-9 1/4" (540)	16 1/2" (419)	
ATETD711				ATETD80			
8'-10 7/16" (2704)				8'-10 7/16" (2704)			
8'-11" (2718)				8'-11" (2718)			
102 1/8" (2594)				102 1/8" (2594)			

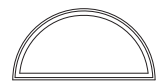
1'-10 1/2" (572)	1'-11 1/4" (591)	18 1/2" (470)	
ATETD811			



Custom-size windows
are available in 1/8" (3)
increments. Contact your
Andersen supplier for more
information.



Direct-Set Half Circle



Sash-Set Half Circle



Direct-Set Elliptical



Sash-Set Elliptical

Direct-set (ATETD) window sizes
shown. Use window and rough
opening dimensions shown for
sash-set (ATET) window sizes
also. For sash-set unobstructed
glass dimensions see page 66.

Details on page 93. Grille
patterns shown on page 61.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.

Table of Direct-Set Quarter Circle Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-11 1/4" (591)	2'-0 1/8" (613)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-6 1/8" (765)
Minimum Rough Opening	2'-0" (610)	2'-1" (635)	2'-4" (711)	2'-6" (762)	2'-7" (787)
Unobstructed Glass	19 3/16" (487)	20 1/16" (509)	23 3/16" (589)	25 3/16" (639)	26 1/16" (662)
1'-11 1/4" (591)	2'-0" (610)	19 3/16" (487)	2'-0 1/8" (613)	2'-1" (635)	20 1/16" (509)
ATQCTD20	ATQCTD21	ATQCTD24	ATQCTD26	ATQCTD27	
2'-8 3/8" (822)	2'-9" (838)	28 5/16" (719)	2'-9 1/4" (845)	2'-10" (864)	29 3/16" (741)
2'-8 3/8" (822)	2'-9" (838)	28 5/16" (719)	2'-9 1/4" (845)	2'-10" (864)	29 3/16" (741)
ATQCTD29G**	ATQCTD210	ATQCTD30	ATQCTD31	ATQCTD32	
3'-3 3/4" (997)	3'-4" (1016)	35 3/16" (894)	3'-5 1/4" (1048)	3'-6" (1067)	37 3/16" (945)
3'-3 3/4" (997)	3'-4" (1016)	35 3/16" (894)	3'-5 1/4" (1048)	3'-6" (1067)	37 3/16" (945)
ATQCTD34	ATQCTD36	ATQCTD38	ATQCTD39	ATQCTD40	
4'-7 1/4" (1403)	4'-8" (1422)	51 1/4" (1301)	5'-3 1/4" (1607)	5'-4" (1626)	59 1/4" (1504)
4'-7 1/4" (1403)	4'-8" (1422)	51 1/4" (1301)	5'-3 1/4" (1607)	5'-4" (1626)	59 1/4" (1504)
ATQCTD48	ATQCTD50	ATQCTD54	ATQCTD58		

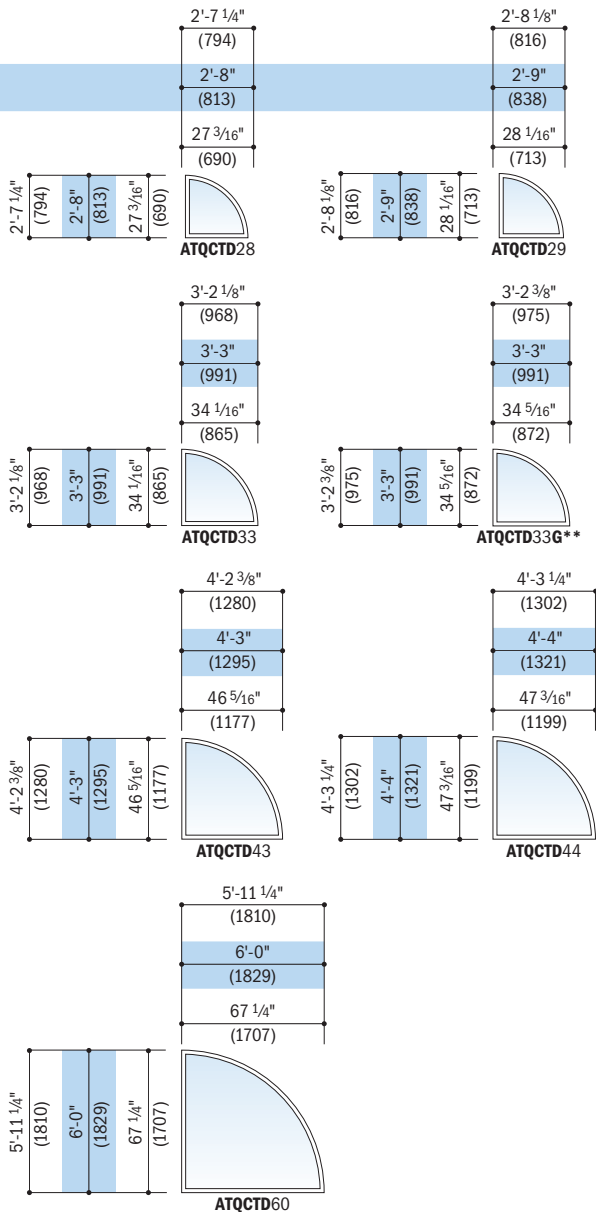
• "Window Dimension" always refers to outside frame to frame dimension.

• "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.

• Dimensions in parentheses are in millimeters.

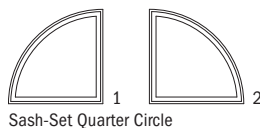
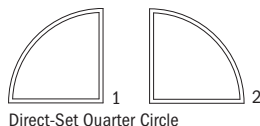
**Sized to fit over a single-panel stationary A-Series Frenchwood® Gliding Patio Door.

Notes on this page also apply to the previous page.



Custom-size windows are available in 1/8"(3) increments.

Contact your Andersen supplier for more information.



Direct-set (ATQCTD) window sizes shown. Use window and rough opening dimensions shown for sash-set (ATQCT) window sizes also. For sash-set unobstructed glass dimensions see page 67.

Details on page 93.

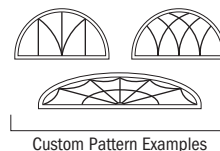
Grille Patterns

	Renaissance	Sunburst
Half Circle		
Quarter Circle		
Elliptical		

• Andersen® Finelight™ grilles available in 3/4" (19) profile only.

Number of lights and overall pattern varies with window size. Patterns are not available in all configurations.

Specified equal light and custom patterns are also available. For more information on divided light see pages 18-19 or visit andersenwindows.com/grilles.



- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.
- **Sized to fit over a single-panel stationary A-Series Frenchwood® Gliding Patio Door.

Table of Direct-Set Unequal Leg Arch Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-3 1/4"	1'-7 1/4"	1'-11 1/4"	2'-0 1/8"	2'-3 1/4"	2'-5 1/4"	2'-6 1/8"	2'-7 1/4"	2'-8 1/8"	2'-8 3/8"
	(387)	(489)	(591)	(613)	(692)	(743)	(765)	(794)	(816)	(822)
Minimum Rough Opening	1'-4"	1'-8"	2'-0"	2'-1"	2'-4"	2'-6"	2'-7"	2'-8"	2'-9"	2'-9"
	(406)	(508)	(610)	(635)	(711)	(762)	(787)	(813)	(838)	(838)

CUSTOM SIZES AVAILABLE										
Radius	36" (914)	42" (1067)	48" (1219)	60" (1524)	60" (1524)	60" (1524)	66" (1676)	66" (1676)	66" (1676)	66" (1676)
Chord Height	3 3/8" (86)	4 5/8" (118)	6" (152)	5 1/16" (129)	6 1/2" (166)	7 5/8" (194)	7 1/4" (185)	7 1/8" (181)	8 3/8" (212)	8 1/2" (216)
Shoulder Height	15 7/8" (403)	14 5/8" (371)	13 1/4" (337)	14 3/16" (360)	12 3/4" (323)	11 5/8" (295)	12" (304)	12 1/8" (308)	10 7/8" (277)	10 3/4" (273)
	ATUD1418	ATUD1818	ATUD2018	ATUD2118	ATUD2418	ATUD2618	ATUD2718	ATUD2818	ATUD2918	ATUD2918G*
	17 7/8" (454)	16 5/8" (421)	15 1/4" (387)		14 3/4" (374)	13 5/8" (346)		14 1/8" (359)		
	ATUD14110	ATUD18110	ATUD20110		ATUD24110	ATUD26110		ATUD28110		
	19 7/8" (505)	18 5/8" (472)	17 1/4" (438)	18 3/16" (462)	16 3/4" (425)	15 5/8" (397)	16" (406)	16 1/8" (410)	14 7/8" (379)	14 3/4" (375)
	ATUD1420	ATUD1820	ATUD2020	ATUD2120	ATUD2420	ATUD2620	ATUD2720	ATUD2820	ATUD2920	ATUD2920G**
	23 7/8" (606)	22 5/8" (574)	21 1/4" (540)	22 3/16" (564)	20 3/4" (526)	19 5/8" (498)	20" (507)	20 1/8" (511)	18 7/8" (480)	18 3/4" (476)
	ATUD1424	ATUD1824	ATUD2024	ATUD2124	ATUD2424	ATUD2624	ATUD2724	ATUD2824	ATUD2924	ATUD2924G**
	27 7/8" (708)	26 5/8" (675)	25 1/4" (641)	26 3/16" (665)	24 3/4" (628)	23 5/8" (600)	24" (609)	24 1/8" (613)	22 7/8" (582)	22 3/4" (578)
	ATUD1428	ATUD1828	ATUD2028	ATUD2128	ATUD2428	ATUD2628	ATUD2728	ATUD2828	ATUD2928	ATUD2928G**
	31 7/8" (810)	30 5/8" (777)	29 1/4" (743)	30 3/16" (767)	28 3/4" (729)	27 5/8" (702)	28" (710)	28 1/8" (714)	26 7/8" (683)	26 3/4" (679)
	ATUD1430	ATUD1830	ATUD2030	ATUD2130	ATUD2430	ATUD2630	ATUD2730	ATUD2830	ATUD2930	ATUD2930G**

Window Dimension	3'-3 1/4"	3'-7 1/4"	3'-8 3/8"	3'-11 1/4"	4'-2 3/8"	4'-3 1/4"	4'-7 1/4"
	(997)	(1099)	(1127)	(1200)	(1280)	(1302)	(1403)
Minimum Rough Opening	3'-4"	3'-8"	3'-9"	4'-0"	4'-3"	4'-4"	4'-8"
	(1016)	(1118)	(1143)	(1219)	(1295)	(1321)	(1422)

CUSTOM SIZES AVAILABLE						
Radius	84" (2133)	96" (2438)	96" (2438)	96" (2438)	108" (2743)	108" (2743)
Chord Height	9 3/4" (247)	10 1/4" (261)	10 7/8" (276)	12 7/16" (316)	12 1/2" (317)	12 15/16" (329)
Shoulder Height	9 1/2" (242)	9" (228)	8 3/8" (213)			
	ATUD3418	ATUD3818	ATUD3918			
	11 1/2" (293)	11" (279)		8 13/16" (224)		8 5/16" (211)
	ATUD34110	ATUD38110		ATUD40110		ATUD44110
	13 1/2" (344)	13" (329)	12 3/8" (314)	10 13/16" (275)	10 3/4" (274)	10 5/16" (262)
	ATUD3420	ATUD3820	ATUD3920	ATUD4020	ATUD4320	ATUD4420
	17 1/2" (445)	17" (431)	16 3/8" (416)	14 13/16" (376)	14 3/4" (375)	14 5/16" (364)
	ATUD3424	ATUD3824	ATUD3924	ATUD4024	ATUD4324	ATUD4424
	21 1/2" (547)	21" (533)	20 3/8" (518)	18 13/16" (478)	18 3/4" (477)	18 5/16" (465)
	ATUD3428	ATUD3828	ATUD3928	ATUD4028	ATUD4328	ATUD4428
	25 1/2" (648)	25" (634)	24 3/8" (619)	22 13/16" (579)	22 3/4" (579)	22 5/16" (567)
	ATUD3430	ATUD3830	ATUD3930	ATUD4030	ATUD4330	ATUD4430
						17 3/4" (452)
						ATUD4820
						13 3/4" (350)
						ATUD4824
						17 3/4" (452)
						ATUD4828
						21 3/4" (553)
						ATUD4830

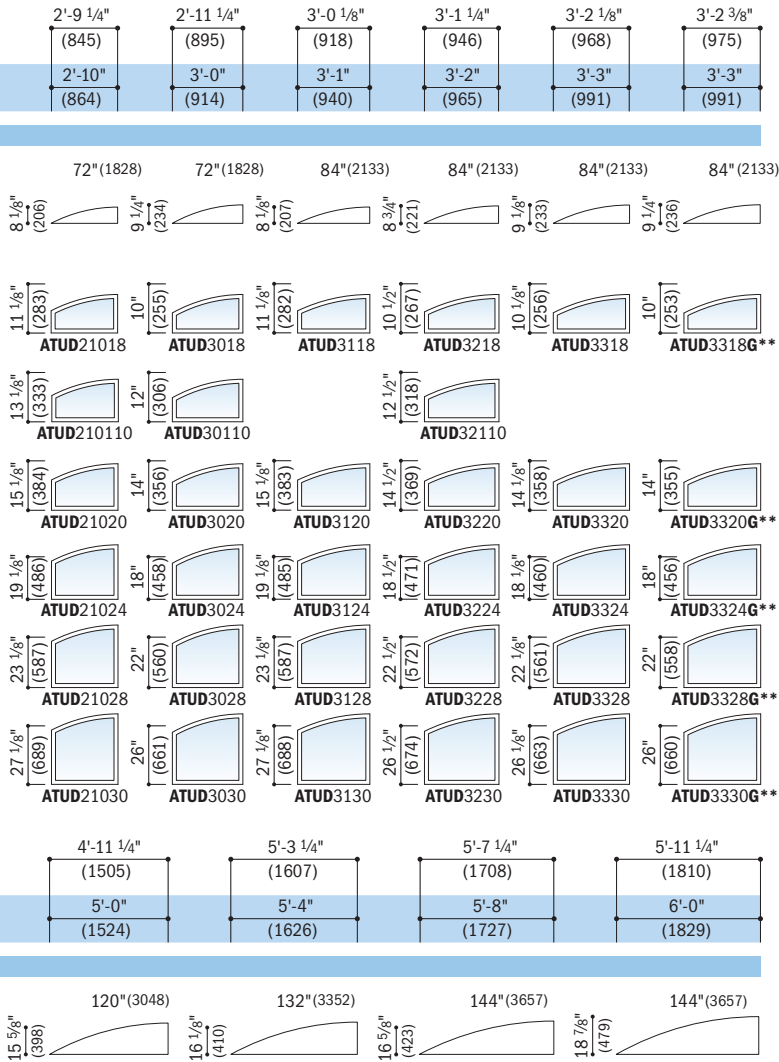
* "Window Dimension" always refers to outside frame to frame dimension.

** "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.

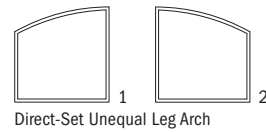
• Dimensions in parentheses are in millimeters.

** Sized to fit over a single-panel stationary A-Series Frenchwood® Gliding Patio Door.

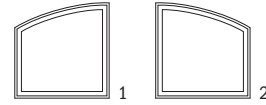
Notes on this page also apply to the previous page.



Custom-size windows are available in $\frac{1}{8}$ " (3) increments. Custom divided light patterns available. Contact your Andersen supplier for more information.



Direct-Set Unequal Leg Arch



Sash-Set Unequal Leg Arch

Direct-set (ATUD) window sizes shown. Use window and rough opening dimensions shown for sash-set (ATU) window sizes also.

Details on page 93.

Grille Patterns

	Colonial	Renaissance	Sunburst
Unequal Leg Arch			

• Andersen® Finelight™ grilles available in $\frac{3}{4}$ " (19) profile only.

Number of lights and overall pattern varies with window size.

Patterns are not available in all configurations.

Specified equal light and custom patterns are also available.

For more information on divided light see pages 18-19 or visit andersenwindows.com/grilles.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.
- **Sized to fit over a single-panel stationary A-Series Frenchwood® Gliding Patio Door.

Table of Direct-Set Octagon Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-11 1/4" (895)	3'-11 1/4" (1200)	5'-11 1/4" (1810)
Minimum Rough Opening	2'-0" (610)	2'-4" (711)	3'-0" (914)	4'-0" (1219)	6'-0" (1829)
Unobstructed Glass	19 1/4" (489)	23 1/4" (591)	31 1/4" (794)	43 1/4" (1099)	67 1/4" (1708)



ATOCD20



ATOCD24



ATOCD30



ATOCD40



ATOCD60

Table of Direct-Set Circle Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-11 1/4" (895)	3'-11 1/4" (1200)	5'-11 1/4" (1810)
Minimum Rough Opening	2'-0" (610)	2'-4" (711)	3'-0" (914)	4'-0" (1219)	6'-0" (1829)
Unobstructed Glass	19 1/4" (489)	23 1/4" (591)	31 1/4" (794)	43 1/4" (1099)	67 1/4" (1708)



ACRD20



ACRD24



ACRD30



ACRD40

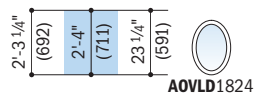


ACRD60

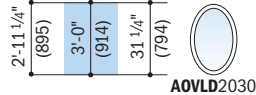
Table of Direct-Set Oval Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

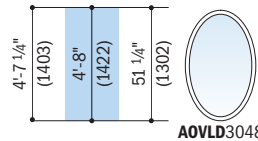
Window Dimension	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-11 1/4" (895)
Minimum Rough Opening	1'-8" (508)	2'-0" (610)	3'-0" (914)
Unobstructed Glass	15 1/4" (387)	19 1/4" (489)	31 1/4" (794)



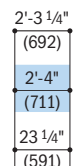
AOVL1824



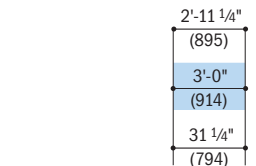
AOVL2030



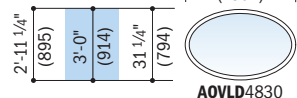
AOVL3048



AOVL2418



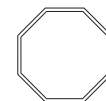
AOVL3020



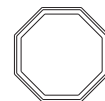
AOVL4830



Custom-size octagon and circle windows are available in 1/8" (3) increments. Oval windows are not available in custom sizes. Contact your Andersen supplier for more information.



Direct-Set Octagon



Sash-Set Octagon



Direct-Set Circle



Sash-Set Circle

Direct-set octagon (ATOCD) and circle (ACRD) window sizes shown. Use window and rough opening dimensions shown for sash-set octagon (ATOC) and sash-set circle (ACR) window sizes also. For sash-set unobstructed glass dimensions see page 67.

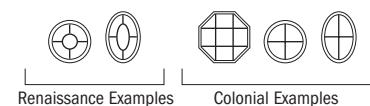


Direct-Set Oval

Oval windows are available direct-set only and can be installed either vertically or horizontally.

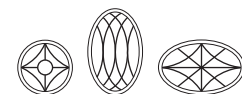
Details on page 93.

Grille patterns are available in Renaissance, colonial, sunburst, specified equal light and custom patterns. For more information on divided light see pages 18-19 or visit andersenwindows.com/grilles.



Renaissance Examples

Colonial Examples



Custom Pattern Examples

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.

Direct-Set Half Circle Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)
ATCTD20	0.75 (0.07)
ATCTD21	0.83 (0.08)
ATCTD24	1.15 (0.11)
ATCTD26	1.39 (0.13)
ATCTD27	1.50 (0.14)
ATCTD28	1.65 (0.15)
ATCTD29	1.77 (0.16)
ATCTD29G	1.80 (0.17)
ATCTD210	1.93 (0.18)
ATCTD30	2.23 (0.21)
ATCTD31	2.37 (0.22)
ATCTD32	2.55 (0.24)
ATCTD33	2.70 (0.25)
ATCTD33G	2.75 (0.26)
ATCTD34	2.90 (0.27)
ATCTD38	3.66 (0.34)
ATCTD39	3.89 (0.36)
ATCTD40	4.50 (0.42)
ATCTD43	5.22 (0.48)
ATCTD44	5.43 (0.50)
ATCTD48	6.45 (0.60)
ATCTD50	7.56 (0.70)
ATCTD54	8.75 (0.81)
ATCTD58	10.03 (0.93)
ATCTD60	11.40 (1.06)
ATCTD64	12.86 (1.19)
ATCTD68	14.40 (1.34)
ATCTD70	16.03 (1.49)

Direct-Set Elliptical Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)
ATETD40	1.69 (0.16)
ATETD44	2.01 (0.19)
ATETD48	2.57 (0.24)
ATETD50	2.86 (0.27)
ATETD54	3.41 (0.32)
ATETD58	3.98 (0.37)
ATETD60	4.27 (0.40)
ATETD64	4.82 (0.45)
ATETD68	5.60 (0.52)
ATETD70	6.26 (0.58)
ATETD74	6.62 (0.62)
ATETD711	7.92 (0.74)
ATETD80	8.00 (0.74)
ATETD811	10.13 (0.94)

Direct-Set Quarter Circle Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)
ATQCTD20	1.90 (0.18)
ATQCTD21	2.08 (0.19)
ATQCTD24	2.80 (0.26)
ATQCTD26	3.32 (0.31)
ATQCTD27	3.56 (0.33)
ATQCTD28	3.88 (0.36)

Window Number	Glass Area Sq. Ft./ (m ²)
ATQCTD29	4.14 (0.38)
ATQCTD29G	4.22 (0.39)
ATQCTD210	4.49 (0.42)
ATQCTD30	5.13 (0.48)
ATQCTD31	5.43 (0.50)
ATQCTD32	5.83 (0.54)
ATQCTD33	6.14 (0.57)
ATQCTD33G	6.23 (0.58)
ATQCTD34	6.56 (0.61)
ATQCTD36	7.34 (0.68)
ATQCTD38	8.16 (0.76)
ATQCTD39	8.64 (0.80)
ATQCTD40	9.94 (0.92)
ATQCTD43	11.45 (1.06)
ATQCTD44	11.89 (1.10)
ATQCTD48	14.01 (1.30)
ATQCTD50	16.31 (1.52)
ATQCTD54	18.79 (1.75)
ATQCTD58	21.44 (1.99)
ATQCTD60	24.26 (2.25)

Direct-Set Octagon Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)
ATOCDD20	2.13 (0.20)
ATOCDD24	3.11 (0.29)
ATOCDD30	5.62 (0.52)
ATOCDD40	10.76 (1.00)
ATOCDD60	26.02 (2.42)

Direct-Set Circle & Oval Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)
ACRD20	2.02 (0.19)
ACRD24	2.95 (0.27)
ACRD30	5.33 (0.50)
ACRD40	10.20 (0.95)
ACRD60	24.67 (2.29)
AOVLD1824/AOVLD2418	1.93 (0.18)
AOVLD2030/AOVLD3020	3.27 (0.30)
AOVLD3048/AOVLD4830	8.71 (0.81)

Direct-Set Unequal Leg Arch Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)
ATUD1418	1.11 (0.10)
ATUD14110	1.27 (0.12)
ATUD1420	1.42 (0.13)
ATUD1424	1.74 (0.16)
ATUD1428	2.05 (0.19)
ATUD1430	2.36 (0.22)
ATUD1818	1.46 (0.14)
ATUD18110	1.67 (0.16)
ATUD1820	1.89 (0.18)

Window Number	Glass Area Sq. Ft./ (m ²)
ATUD1824	2.31 (0.21)
ATUD1828	2.73 (0.25)
ATUD1830	3.16 (0.29)
ATUD2018	1.79 (0.17)
ATUD20110	2.06 (0.19)
ATUD2020	2.32 (0.22)
ATUD2024	2.86 (0.27)
ATUD2028	3.39 (0.31)
ATUD2030	3.93 (0.37)
ATUD2118	1.91 (0.18)
ATUD2120	2.47 (0.23)
ATUD2124	3.03 (0.28)
ATUD2128	3.59 (0.33)
ATUD2130	4.15 (0.39)
ATUD2418	2.13 (0.20)
ATUD24110	2.45 (0.23)
ATUD2420	2.78 (0.26)
ATUD2424	3.42 (0.32)
ATUD2428	4.07 (0.38)
ATUD2430	4.71 (0.44)
ATUD2618	2.26 (0.21)
ATUD26110	2.61 (0.24)
ATUD2620	2.96 (0.27)
ATUD2624	3.66 (0.34)
ATUD2628	4.36 (0.41)
ATUD2630	5.06 (0.47)
ATUD2718	2.35 (0.22)
ATUD2720	3.08 (0.29)
ATUD2724	3.80 (0.35)
ATUD2728	4.53 (0.42)
ATUD2730	5.25 (0.49)
ATUD2818	2.42 (0.22)
ATUD28110	2.80 (0.26)
ATUD2820	3.18 (0.30)
ATUD2824	3.93 (0.37)
ATUD2828	4.69 (0.44)
ATUD2830	5.45 (0.51)
ATUD2918	2.47 (0.23)
ATUD2920	3.25 (0.30)
ATUD2924	4.03 (0.37)
ATUD2928	4.81 (0.45)
ATUD2930	5.59 (0.52)
ATUD2918G	2.48 (0.23)
ATUD2920G	3.27 (0.30)
ATUD2924G	4.06 (0.38)
ATUD2928G	4.84 (0.45)
ATUD2930G	5.63 (0.52)
ATUD21018	2.58 (0.24)
ATUD210110	2.98 (0.28)
ATUD21020	3.39 (0.31)
ATUD21024	4.20 (0.39)
ATUD21028	5.01 (0.47)
ATUD21030	5.83 (0.54)
ATUD3018	2.68 (0.25)
ATUD30110	3.11 (0.29)
ATUD3020	3.55 (0.33)
ATUD3024	4.42 (0.41)
ATUD3028	5.28 (0.49)
ATUD3030	6.15 (0.57)
ATUD3118	2.83 (0.26)

Window Number	Glass Area Sq. Ft./ (m ²)
ATUD3120	3.72 (0.35)
ATUD3124	4.61 (0.43)
ATUD3128	5.50 (0.51)
ATUD3130	6.40 (0.59)
ATUD3218	2.88 (0.27)
ATUD32110	3.35 (0.31)
ATUD3220	3.81 (0.35)
ATUD3224	4.73 (0.44)
ATUD3228	5.66 (0.53)
ATUD3230	6.58 (0.61)
ATUD3318	2.93 (0.27)
ATUD3320	3.88 (0.36)
ATUD3324	4.82 (0.45)
ATUD3328	5.77 (0.54)
ATUD3330	6.72 (0.62)
ATUD3318G	2.94 (0.27)
ATUD3320G	3.89 (0.36)
ATUD3324G	4.85 (0.45)
ATUD3328G	5.80 (0.54)
ATUD3330G	6.76 (0.63)
ATUD3418	2.98 (0.28)
ATUD34110	3.47 (0.32)
ATUD3420	3.96 (0.37)
ATUD3424	4.94 (0.46)
ATUD3428	5.92 (0.55)
ATUD3430	6.90 (0.64)
ATUD3818	3.27 (0.30)
ATUD38110	3.81 (0.35)
ATUD3820	4.36 (0.41)
ATUD3824	5.45 (0.51)
ATUD3828	6.54 (0.61)
ATUAD3830	7.63 (0.71)
ATUAD3918	3.31 (0.31)
ATUAD3920	4.43 (0.41)
ATUAD3924	5.55 (0.52)
ATUAD3928	6.67 (0.62)
ATUAD3930	7.79 (0.72)
ATUAD40110	4.00 (0.37)
ATUAD4020	4.60 (0.43)
ATUAD4024	5.80 (0.54)
ATUAD4028	7.00 (0.65)
ATUAD4030	8.20 (0.76)
ATUAD4318	4.92 (0.46)
ATUAD4320	6.21 (0.58)
ATUAD4324	7.50 (0.70)
ATUAD4328	8.79 (0.82)
ATUAD44110	4.31 (0.40)
ATUAD4420	4.97 (0.46)
ATUAD4424	6.28 (0.58)
ATUAD4428	7.59 (0.71)
ATUAD4430	8.90 (0.83)
ATUAD48110	4.61 (0.43)
ATUAD4820	5.32 (0.49)
ATUAD4824	6.74 (0.63)
ATUAD4828	8.17 (0.76)
ATUAD4830	9.59 (0.89)
ATUAD5024	7.01 (0.65)
ATUAD5028	8.54 (0.79)
ATUAD5030	10.08 (0.94)

• Dimensions in parentheses are in square meters.
continued on next page

Direct-Set Unequal Leg Arch Window Area Specifications *(continued)*

Window Number	Glass Area Sq. Ft./ (m ²)
ATUAD5424	7.45 (0.69)
ATUAD5428	9.09 (0.84)
ATUAD5430	10.74 (1.00)
ATUAD5824	7.87 (0.73)
ATUAD5828	9.63 (0.89)
ATUAD5830	11.38 (1.06)
ATUAD6024	8.05 (0.75)
ATUAD6028	9.91 (0.92)
ATUAD6030	11.78 (1.09)

Window Number	Glass Area Sq. Ft./ (m ²)
ATU2418	1.51 (0.14)
ATU24110	1.80 (0.17)
ATU2420	2.09 (0.19)
ATU2424	2.66 (0.25)
ATU2428	3.23 (0.30)
ATU2430	3.80 (0.35)
ATU2618	1.61 (0.15)
ATU26110	1.92 (0.18)
ATU2620	2.24 (0.21)
ATU2624	2.86 (0.27)
ATU2628	3.49 (0.32)
ATU2630	4.12 (0.38)
ATU2718	1.69 (0.16)
ATU2720	2.34 (0.22)
ATU2724	2.99 (0.28)
ATU2728	3.64 (0.34)
ATU2730	4.30 (0.40)
ATU2818	1.74 (0.16)
ATU28110	2.08 (0.19)
ATU2820	2.42 (0.22)
ATU2824	3.10 (0.29)
ATU2828	3.79 (0.35)
ATU2830	4.47 (0.42)
ATU2918	1.77 (0.16)
ATU2920	2.48 (0.23)
ATU2924	3.19 (0.30)
ATU2928	3.89 (0.36)
ATU2930	4.60 (0.43)
ATU2918G	1.78 (0.17)
ATU2920G	2.50 (0.23)
ATU2924G	3.21 (0.30)
ATU2928G	3.92 (0.36)
ATU2930G	4.64 (0.43)
ATU21018	1.86 (0.17)
ATU210110	2.23 (0.21)
ATU21020	2.60 (0.24)
ATU21024	3.34 (0.31)
ATU21028	4.08 (0.38)

Window Number	Glass Area Sq. Ft./ (m ²)
ATU21030	4.82 (0.45)
ATU3018	1.93 (0.18)
ATU30110	2.33 (0.22)
ATU3020	2.73 (0.25)
ATU3024	3.52 (0.33)
ATU3028	4.32 (0.40)
ATU3030	5.11 (0.47)
ATU3118	2.06 (0.19)
ATU3120	2.88 (0.27)
ATU3124	3.70 (0.34)
ATU3128	4.51 (0.42)
ATU3130	5.33 (0.50)
ATU3218	2.10 (0.20)
ATU32110	2.53 (0.24)
ATU3220	2.95 (0.27)
ATU3224	3.80 (0.35)
ATU3228	4.65 (0.43)
ATU3230	5.50 (0.51)
ATU3318	2.13 (0.20)
ATU3320	3.00 (0.28)
ATU3324	3.88 (0.36)
ATU3328	4.75 (0.44)
ATU3330	5.63 (0.52)
ATU3318G	2.14 (0.20)
ATU3320G	3.02 (0.28)
ATU3324G	3.90 (0.36)
ATU3328G	4.78 (0.44)
ATU3330G	5.66 (0.53)
ATU3418	2.16 (0.20)
ATU34110	2.62 (0.24)
ATU3420	3.07 (0.29)
ATU3424	3.98 (0.37)
ATU3428	4.88 (0.45)
ATU3430	5.79 (0.54)
ATUA3818	2.38 (0.22)
ATUA38110	2.89 (0.27)
ATUA3820	3.40 (0.32)
ATUA3824	4.42 (0.41)

Window Number	Glass Area Sq. Ft./ (m ²)
ATUA3828	5.43 (0.50)
ATUA3830	6.45 (0.60)
ATUA3918	2.41 (0.22)
ATUA3920	3.46 (0.32)
ATUA3924	4.50 (0.42)
ATUA3928	5.55 (0.52)
ATUA3930	6.60 (0.61)
ATUA40110	3.02 (0.28)
ATUA4020	3.58 (0.33)
ATUA4024	4.71 (0.44)
ATUA4028	5.84 (0.54)
ATUA4030	6.96 (0.65)
ATUA4318	3.85 (0.36)
ATUA4320	5.06 (0.47)
ATUA4324	6.28 (0.58)
ATUA4328	7.49 (0.70)
ATUA44110	3.26 (0.30)
ATUA4420	3.88 (0.36)
ATUA4424	5.12 (0.48)
ATUA4428	6.36 (0.59)
ATUA4430	7.60 (0.71)
ATUA48110	3.49 (0.32)
ATUA4820	4.17 (0.39)
ATUA4824	5.52 (0.51)
ATUA4828	6.87 (0.64)
ATUA4830	8.22 (0.76)
ATUA5024	5.72 (0.53)
ATUA5028	7.18 (0.67)
ATUA5030	8.64 (0.80)
ATUA5424	6.09 (0.57)
ATUA5428	7.66 (0.71)
ATUA5430	9.23 (0.86)
ATUA5824	6.45 (0.60)
ATUA5828	8.13 (0.76)
ATUA5830	9.81 (0.91)
ATUA6024	6.56 (0.61)
ATUA6028	8.36 (0.78)
ATUA6030	10.15 (0.94)

• Dimensions in parentheses are in square meters.

Sash-Set Half Circle Window Unobstructed Glass Dimensions and Area Specifications

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m ²)
ATCT20	15 ³ / ₁₆ " (386)	5" (127)	0.38 (0.04)
ATCT21	16 ¹ / ₈ " (410)	5 ⁷ / ₁₆ " (138)	0.44 (0.04)
ATCT24	19 ¹ / ₂ " (495)	7" (178)	0.69 (0.06)
ATCT26	21 ⁹ / ₁₆ " (548)	8" (203)	0.88 (0.08)
ATCT27	22 ¹ / ₂ " (572)	8 ⁷ / ₁₆ " (214)	0.97 (0.09)
ATCT28	23 ¹¹ / ₁₆ " (602)	9" (229)	1.09 (0.10)
ATCT29	24 ³ / ₁₆ " (624)	9 ⁷ / ₁₆ " (240)	1.19 (0.11)
ATCT29G	24 ¹³ / ₁₆ " (630)	9 ⁹ / ₁₆ " (243)	1.22 (0.11)
ATCT210	25 ¹ / ₈ " (638)	10" (254)	1.32 (0.12)
ATCT30	27 ¹³ / ₁₆ " (706)	11" (279)	1.57 (0.15)
ATCT31	28 ¹¹ / ₁₆ " (729)	11 ⁷ / ₁₆ " (291)	1.69 (0.16)
ATCT32	29 ⁷ / ₈ " (759)	12" (305)	1.85 (0.17)
ATCT33	30 ³ / ₄ " (781)	12 ⁷ / ₁₆ " (316)	1.98 (0.18)
ATCT33G	31" (787)	12 ⁹ / ₁₆ " (319)	2.02 (0.19)
ATCT34	31 ¹⁵ / ₁₆ " (811)	13" (330)	2.15 (0.20)

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m ²)
ATCT38	36" (914)	15" (381)	2.81 (0.26)
ATCT39	37 ¹ / ₈ " (943)	15 ⁹ / ₁₆ " (395)	3.01 (0.28)
ATCT40	40 ¹ / ₁₆ " (1018)	17" (432)	3.56 (0.33)
ATCT43	43 ³ / ₁₆ " (1097)	18 ⁹ / ₁₆ " (471)	4.21 (0.39)
ATCT44	44 ¹ / ₈ " (1121)	19" (483)	4.40 (0.41)
ATCT48	48 ¹ / ₈ " (1222)	21" (533)	5.32 (0.49)
ATCT50	52 ³ / ₁₆ " (1326)	23" (584)	6.33 (0.59)
ATCT54	56 ³ / ₁₆ " (1427)	25" (635)	7.43 (0.69)
ATCT58	60 ¹ / ₄ " (1530)	27" (686)	8.62 (0.80)
ATCT60	64 ¹ / ₄ " (1632)	29" (737)	9.89 (0.92)
ATCT64	68 ¹ / ₄ " (1734)	31" (787)	11.25 (1.05)
ATCT68	72 ⁵ / ₁₆ " (1837)	33" (838)	12.70 (1.18)
ATCT70	76 ⁵ / ₁₆ " (1938)	35" (889)	14.23 (1.32)

Sash-Set Elliptical Window Unobstructed Glass Dimensions and Area Specifications

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m ²)
ATET40	36 ¹ / ₂ " (927)	5 ¹ / ₄ " (133)	0.94 (0.09)
ATET44	40 ³ / ₄ " (1035)	6" (152)	1.18 (0.11)
ATET48	46 ⁷ / ₁₆ " (1180)	6 ⁵ / ₈ " (168)	1.63 (0.15)
ATET50	50 ⁵ / ₈ " (1286)	7 ³ / ₈ " (187)	1.84 (0.17)
ATET54	55 ¹ / ₂ " (1410)	8 ¹ / ₈ " (206)	2.30 (0.21)
ATET58	60 ¹ / ₁₆ " (1526)	8 ⁷ / ₈ " (225)	2.78 (0.26)
ATET60	63" (1600)	9 ¹ / ₂ " (241)	3.01 (0.28)
ATET64	67 ¹ / ₈ " (1705)	10 ¹ / ₄ " (260)	3.48 (0.32)
ATET68	71 ⁷ / ₈ " (1826)	11" (279)	4.17 (0.39)
ATET70	76 ¹ / ₄ " (1934)	11 ³ / ₄ " (298)	4.74 (0.44)
ATET74	79 ³ / ₈ " (2016)	12 ³ / ₈ " (314)	5.05 (0.47)
ATET711	86 ¹¹ / ₁₆ " (2202)	13 ³ / ₄ " (349)	6.20 (0.58)
ATET80	87 ¹ / ₂ " (2223)	13 ⁷ / ₈ " (352)	6.27 (0.58)
ATET811	98 ¹³ / ₁₆ " (2510)	15 ⁷ / ₈ " (403)	8.18 (0.76)

• Dimensions in parentheses are in millimeters or square meters.

Sash-Set Quarter Circle Window Unobstructed Glass Dimensions and Area Specifications

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m ²)
ATQCT20	16 5/16" (414)	16 5/16" (414)	1.33 (0.12)
ATQCT21	17 3/16" (437)	17 3/16" (437)	1.48 (0.14)
ATQCT24	20 3/8" (518)	20 3/8" (518)	2.10 (0.20)
ATQCT26	22 3/8" (568)	22 3/8" (568)	2.55 (0.24)
ATQCT27	23 1/4" (591)	23 1/4" (591)	2.76 (0.26)
ATQCT28	24 3/8" (619)	24 3/8" (619)	3.04 (0.28)
ATQCT29	25 1/4" (641)	25 1/4" (641)	3.27 (0.30)
ATQCT29G	25 1/2" (648)	25 1/2" (648)	3.34 (0.31)
ATQCT210	26 7/16" (672)	26 7/16" (672)	3.58 (0.33)
ATQCT30	28 7/16" (722)	28 7/16" (722)	4.16 (0.39)
ATQCT31	29 5/16" (745)	29 5/16" (745)	4.43 (0.41)
ATQCT32	30 7/16" (773)	30 7/16" (773)	4.79 (0.45)
ATQCT33	31 5/16" (795)	31 5/16" (795)	5.08 (0.47)
ATQCT33G	31 9/16" (802)	31 9/16" (802)	5.16 (0.48)
ATQCT34	32 7/16" (824)	32 7/16" (824)	5.46 (0.51)
ATQCT36	34 7/16" (875)	34 7/16" (875)	6.17 (0.57)
ATQCT38	36 7/16" (926)	36 7/16" (926)	6.93 (0.64)
ATQCT39	37 9/16" (954)	37 9/16" (954)	7.37 (0.68)
ATQCT40	40 7/16" (1027)	40 7/16" (1027)	8.57 (0.80)
ATQCT43	43 5/8" (1108)	43 5/8" (1108)	9.98 (0.93)
ATQCT44	44 1/2" (1130)	44 1/2" (1130)	10.39 (0.97)
ATQCT48	48 1/2" (1232)	48 1/2" (1232)	12.38 (1.15)
ATQCT50	52 1/2" (1334)	52 1/2" (1334)	14.55 (1.35)
ATQCT54	56 1/2" (1435)	56 1/2" (1435)	16.89 (1.57)
ATQCT58	60 1/2" (1537)	60 1/2" (1537)	19.41 (1.80)
ATQCT60	64 1/2" (1638)	64 1/2" (1638)	22.10 (2.05)

Sash-Set Octagon & Circle Window Unobstructed Glass Dimensions and Area Specifications

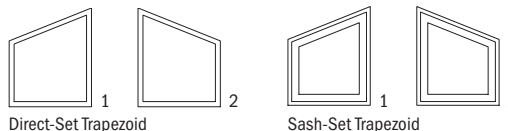
Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m ²)
ATOC20	16 5/8" (422)	16 5/8" (422)	1.58 (0.15)
ATOC24	20 5/8" (524)	20 5/8" (524)	2.44 (0.23)
ATOC30	28 5/8" (727)	28 5/8" (727)	4.70 (0.44)
ATOC40	40 5/8" (1032)	40 5/8" (1032)	9.48 (0.88)
ATOC60	64 5/8" (1641)	64 5/8" (1641)	24.00 (2.23)
ACR20	16 5/8" (422)	16 5/8" (422)	1.50 (0.14)
ACR24	20 5/8" (524)	20 5/8" (524)	2.31 (0.21)
ACR30	28 5/8" (727)	28 5/8" (727)	4.46 (0.41)
ACR40	40 5/8" (1032)	40 5/8" (1032)	8.99 (0.84)
ACR60	64 5/8" (1641)	64 5/8" (1641)	22.76 (2.11)

• Dimensions in parentheses are in millimeters or square meters.

Trapezoid Window Sizes



Trapezoid windows are available in custom sizes in 1/8" (3) increments.



Available direct-set or sash-set. Choose type 1 or 2 as viewed from the exterior.

Design Criteria

Listed below are some factors that must be considered when deciding on a custom-size trapezoid window.

Minimum and Maximum Limits

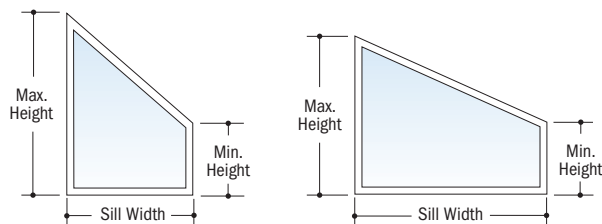
Trapezoid windows may be assembled in custom sizes with these limitations:

MAXIMUM GLASS AREA 50 sq. ft. or 4.65 m² for Low-E4[®] Tempered Impact-Resistant Glass

Square footage is based on a square or rectangular shape

No leg may be less than 12" (305)

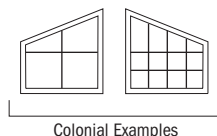
Legs must be equal to or less than 72" (1829) on one side and equal to or less than 120" (3048) on other side



Specify window width at sill, window height, and length of short side. Slope is often designed to match a roof's slope. Contact your Andersen supplier for more information.

Details on page 93.

Grille patterns are available in custom patterns. For more information on divided light see pages 18-19 or visit andersenwindows.com/grilles.



Colonial Examples

Table of Direct-Set Arch Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-11 1/4" (591)	2'-0 1/8" (613)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-6 1/8" (765)	2'-7 1/4" (794)	2'-8 1/8" (816)	2'-8 3/8" (822)	2'-9 1/4" (845)
Minimum Rough Opening	2'-0" (610)	2'-1" (635)	2'-4" (711)	2'-6" (762)	2'-7" (787)	2'-8" (813)	2'-9" (838)	2'-9" (838)	2'-10" (864)
Unobstructed Glass	19 1/4" (489)	20 1/8" (511)	23 1/4" (591)	25 1/4" (641)	26 1/8" (664)	27 1/4" (692)	28 1/8" (714)	28 3/8" (721)	29 1/4" (743)

CUSTOM SIZES AVAILABLE										
Window height shown in table	Radius	24" (610)	30" (762)	30" (762)	30" (762)	36" (914)	36" (914)	36" (914)	36" (914)	36" (914)
	Chord Height	3" (76)	2 17/32" (64)	3 9/32" (83)	3 13/16" (97)	3 5/16" (84)	3 9/16" (91)	3 25/32" (96)	3 27/32" (98)	4 1/16" (103)
	Shoulder Height	11 1/4" (286)	1'-1 25/32" (350)	1'-2 17/32" (369)	1'-3 1/16" (382)	1'-2 9/16" (370)	1'-2 13/16" (376)	1'-3 1/32" (382)	1'-3 3/32" (383)	1'-3 5/16" (389)
		ATAD2010	ATAD2110	ATAD2410	ATAD2610	ATAD2710	ATAD2810	ATAD2910	ATAD2910G**	ATAD21010
		23 1/4" (591)	2'-1 25/32" (655)	2'-2 17/32" (674)	2'-3 1/16" (687)	2'-2 9/16" (674)	2'-2 13/16" (681)	2'-3 1/32" (687)	2'-3 3/32" (688)	2'-3 5/16" (694)
		ATAD2020	ATAD2120	ATAD2420	ATAD2620	ATAD2720	ATAD2820	ATAD2920	ATAD2920G**	ATAD21020
		27 1/4" (692)	2'-5 25/32" (756)	2'-6 17/32" (775)	2'-7 1/16" (789)	2'-6 9/16" (776)	2'-6 13/16" (783)	2'-7 1/32" (788)	2'-7 3/32" (790)	2'-7 5/16" (795)
		ATAD2024	ATAD2124	ATAD2424	ATAD2624	ATAD2724	ATAD2824	ATAD2924	ATAD2924G**	ATAD21024
		31 1/4" (794)	2'-9 25/32" (858)	2'-10 17/32" (877)	2'-11 1/16" (890)	2'-10 9/16" (878)	2'-10 13/16" (884)	2'-11 1/32" (890)	2'-11 3/32" (891)	2'-11 5/16" (897)
		ATAD2028	ATAD2128	ATAD2428	ATAD2628	ATAD2728	ATAD2828	ATAD2928	ATAD2928G**	ATAD21028
		35 1/4" (895)	3'-1 25/32" (960)	3'-2 17/32" (978)	3'-3 1/16" (992)	3'-2 9/16" (979)	3'-2 13/16" (986)	3'-3 1/32" (991)	3'-3 3/32" (993)	3'-3 5/16" (999)
		ATAD2030	ATAD2130	ATAD2430	ATAD2630	ATAD2730	ATAD2830	ATAD2930	ATAD2930G**	ATAD21030
		39 1/4" (997)	3'-6 1/4" (1073)	3'-6 17/32" (1080)	3'-7 1/16" (1094)	3'-6 13/16" (1088)				3'-7 5/16" (1100)
		ATAD2034		ATAD2434	ATAD2634	ATAD2834				ATAD21034
		43 1/4" (1099)	3'-10 1/4" (1175)	3'-10 17/32" (1182)	3'-11 1/16" (1195)	3'-10 13/16" (1189)				3'-11 5/16" (1202)
		ATAD2038		ATAD2438	ATAD2638	ATAD2838				ATAD21038
		47 1/4" (1200)	4'-2 1/4" (1276)	4'-2 17/32" (1283)	4'-3 1/16" (1297)	4'-2 13/16" (1291)				4'-3 5/16" (1303)
		ATAD2040		ATAD2440	ATAD2640	ATAD2840				ATAD21040
		51 1/4" (1302)	4'-6 1/4" (1378)	4'-6 17/32" (1385)	4'-7 1/16" (1398)	4'-6 13/16" (1392)				4'-7 5/16" (1405)
		ATAD2044		ATAD2444	ATAD2644	ATAD2844				ATAD21044
		55 1/4" (1403)	4'-10 1/4" (1480)	4'-10 17/32" (1486)	4'-11 1/16" (1500)	4'-10 13/16" (1494)				4'-11 5/16" (1507)
		ATAD2048		ATAD2448	ATAD2648	ATAD2848				ATAD21048

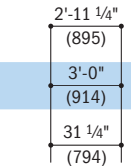
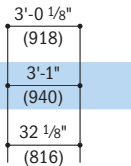
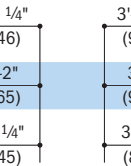
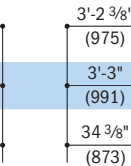
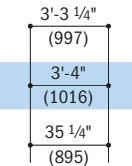
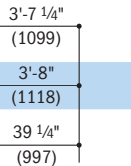
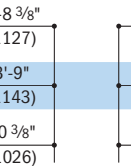
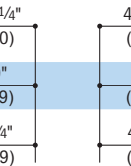
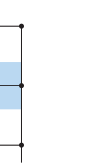
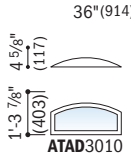
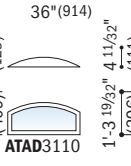
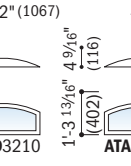
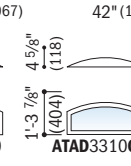
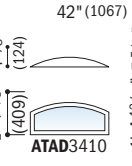
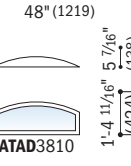
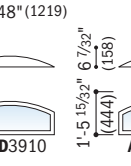
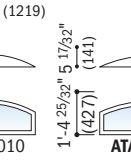
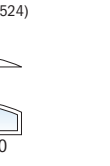
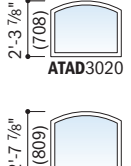
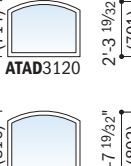
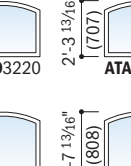
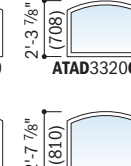
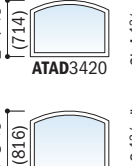
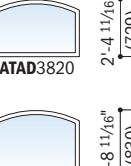
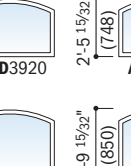
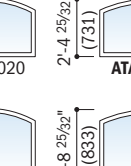
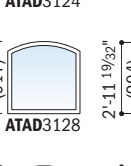
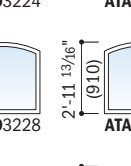
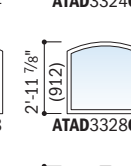
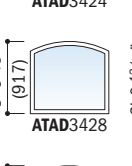
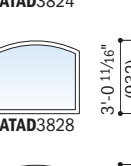
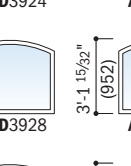
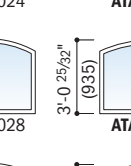
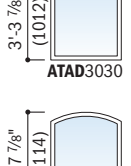
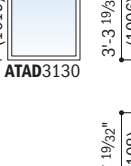
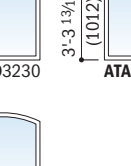
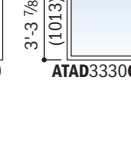
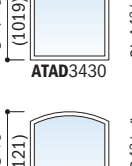
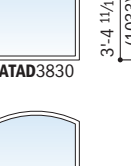
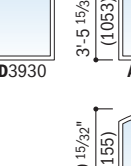
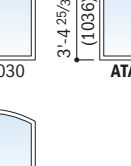
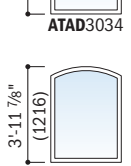
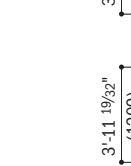
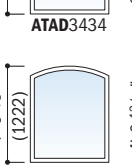
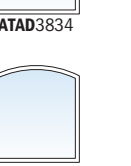
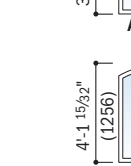
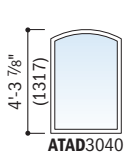
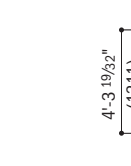
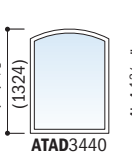
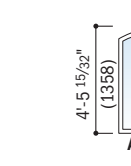
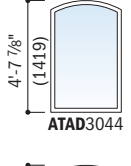
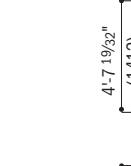
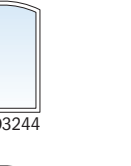
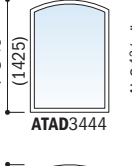
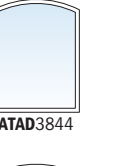
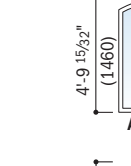
* "Window Dimension" always refers to outside frame to frame dimension.

• "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.

• Dimensions in parentheses are in millimeters.

**Sized to fit over a single-panel stationary A-Series Frenchwood® Gliding Patio Door.

Notes on page 73 also apply to this page. Arch sizes on pages 68-80.

 2'-11 1/4" (895) 3'-0" (914) 31 1/4" (794)	 3'-0 1/8" (918) 3'-1" (940) 32 1/8" (816)	 3'-1 1/4" (946) 3'-2" (965) 33 1/4" (845)	 3'-2 1/8" (968) 3'-3" (991) 34 1/8" (867)	 3'-2 3/8" (975) 3'-3" (991) 34 3/8" (873)	 3'-3 1/4" (997) 3'-4" (1016) 35 1/4" (895)	 3'-7 1/4" (1099) 3'-8" (1118) 39 1/4" (997)	 3'-8 3/8" (1127) 3'-9" (1143) 40 3/8" (1026)	 3'-11 1/4" (1200) 4'-0" (1219) 43 1/4" (1099)	4'-2 3/8" (1280) 4'-3" (1295) 46 3/8" (1178)
 36" (914) 4 5/8" (117) 1'-3 7/8" (403) 2'-3 7/8" (708)	 36" (914) 4 7/32" (123) 1'-4 3/32" (409) 2'-4 3/32" (714)	 42" (1067) 4 11/32" (111) 1'-3 19/32" (396) 2'-3 19/32" (701)	 42" (1067) 4 9/16" (116) 1'-3 13/16" (402) 2'-3 13/16" (707)	 42" (1067) 4 7/8" (118) 1'-3 7/8" (404) 2'-3 7/8" (708)	 42" (1067) 4 7/8" (124) 1'-4 1/8" (409) 2'-4 1/8" (714)	 48" (1219) 5 5/32" (131) 1'-4 13/32" (416) 2'-4 13/32" (721)	 48" (1219) 5 7/16" (138) 1'-4 11/16" (424) 2'-4 11/16" (729)	 48" (1219) 6 7/32" (158) 1'-5 15/32" (444) 2'-5 15/32" (748)	60" (1524) 5 17/32" (141) 1'-4 25/32" (427) 2'-4 25/32" (731)
 2'-7 7/8" (809) 2'-8 3/32" (816) 2'-7 19/32" (803) 2'-7 7/8" (810)	 2'-8 3/32" (816) 2'-8 3/32" (816) 2'-7 19/32" (803) 2'-8 1/8" (816)	 2'-7 19/32" (803) 2'-7 19/32" (803) 2'-7 19/32" (803) 2'-7 7/8" (810)	 2'-7 13/16" (808) 2'-7 13/16" (808) 2'-7 13/16" (808) 2'-8 1/8" (816)	 2'-7 7/8" (810) 2'-8 1/8" (816) 2'-7 13/16" (808) 2'-8 1/8" (816)	 2'-8 1/8" (816) 2'-8 1/8" (816) 2'-8 13/32" (823) 2'-8 13/32" (823)	 2'-8 11/16" (830) 2'-8 11/16" (830) 2'-9 15/32" (850) 2'-9 15/32" (850)	 2'-8 11/16" (830) 2'-9 15/32" (850) 2'-9 15/32" (850) 2'-9 15/32" (850)	 2'-9 15/32" (850) 2'-9 15/32" (850) 2'-9 15/32" (850) 2'-9 15/32" (850)	2'-8 25/32" (833) 2'-8 25/32" (833) 2'-8 25/32" (833) 2'-8 25/32" (833)
 2'-11 7/8" (911) 3'-0 3/32" (917) 2'-11 19/32" (904) 2'-11 7/8" (911)	 3'-0 3/32" (917) 3'-0 3/32" (917) 2'-11 19/32" (904) 3'-0 3/32" (917)	 2'-11 19/32" (904) 2'-11 19/32" (904) 2'-11 19/32" (904) 2'-11 19/32" (904)	 2'-11 13/16" (910) 2'-11 13/16" (910) 2'-11 13/16" (910) 2'-11 7/8" (912)	 2'-11 7/8" (912) 3'-0 1/8" (917) 2'-11 13/16" (910) 2'-11 7/8" (912)	 3'-0 1/8" (917) 3'-0 1/8" (917) 2'-11 13/16" (910) 3'-0 1/8" (917)	 3'-0 13/32" (924) 3'-0 13/32" (924) 2'-11 13/16" (910) 3'-0 13/32" (924)	 3'-0 11/16" (932) 3'-0 11/16" (932) 2'-11 13/16" (910) 3'-0 11/16" (932)	 3'-1 15/32" (952) 3'-1 15/32" (952) 2'-11 13/16" (910) 3'-1 15/32" (952)	3'-0 25/32" (935) 3'-0 25/32" (935) 2'-11 13/16" (910) 3'-0 25/32" (935)
 3'-3 7/8" (1012) 3'-4 3/32" (1019) 3'-3 19/32" (1006) 3'-3 7/8" (1012)	 3'-4 3/32" (1019) 3'-4 3/32" (1019) 3'-3 19/32" (1006) 3'-4 3/32" (1019)	 3'-3 19/32" (1006) 3'-3 19/32" (1006) 3'-3 19/32" (1006) 3'-3 19/32" (1006)	 3'-3 13/16" (1012) 3'-3 13/16" (1012) 3'-3 13/16" (1012) 3'-3 7/8" (1013)	 3'-3 7/8" (1013) 3'-4 1/8" (1019) 3'-3 13/16" (1012) 3'-3 7/8" (1013)	 3'-4 1/8" (1019) 3'-4 1/8" (1019) 3'-4 13/32" (1026) 3'-4 13/32" (1026)	 3'-4 13/32" (1026) 3'-4 13/32" (1026) 3'-4 11/16" (1033) 3'-4 11/16" (1033)	 3'-4 11/16" (1033) 3'-5 15/32" (1053) 3'-4 13/32" (1026) 3'-5 15/32" (1053)	 3'-5 15/32" (1053) 3'-5 15/32" (1053) 3'-4 13/32" (1026) 3'-5 15/32" (1053)	3'-4 25/32" (1036) 3'-4 25/32" (1036) 3'-4 13/32" (1026) 3'-4 25/32" (1036)
 3'-7 7/8" (1114) 3'-11 19/32" (1216) 3'-7 7/8" (1114) 3'-7 7/8" (1114)	 3'-7 19/32" (1108) 3'-11 19/32" (1209) 3'-7 19/32" (1108) 3'-7 19/32" (1108)	 3'-7 19/32" (1108) 3'-11 19/32" (1209) 3'-7 19/32" (1108) 3'-7 19/32" (1108)	 3'-8 1/8" (1121) 4'-0 1/8" (1222) 3'-8 1/8" (1121) 3'-8 1/8" (1121)	 3'-8 13/32" (1128) 4'-0 13/32" (1229) 3'-8 13/32" (1128) 3'-8 13/32" (1128)	 3'-8 13/32" (1128) 4'-0 13/32" (1229) 3'-8 13/32" (1128) 3'-8 13/32" (1128)	 3'-9 15/32" (1155) 4'-1 15/32" (1256) 3'-9 15/32" (1155) 3'-9 15/32" (1155)	 3'-9 15/32" (1155) 4'-1 15/32" (1256) 3'-9 15/32" (1155) 3'-9 15/32" (1155)	 3'-9 15/32" (1155) 4'-1 15/32" (1256) 3'-9 15/32" (1155) 3'-9 15/32" (1155)	3'-9 15/32" (1155) 4'-1 15/32" (1256) 3'-9 15/32" (1155) 3'-9 15/32" (1155)
 4'-3 7/8" (1317) 4'-7 19/32" (1412) 4'-3 7/8" (1317) 4'-3 7/8" (1317)	 4'-3 19/32" (1311) 4'-7 19/32" (1412) 4'-3 19/32" (1311) 4'-3 19/32" (1311)	 4'-3 19/32" (1311) 4'-7 19/32" (1412) 4'-3 19/32" (1311) 4'-3 19/32" (1311)	 4'-4 1/8" (1324) 4'-8 1/8" (1425) 4'-4 1/8" (1324) 4'-4 1/8" (1324)	 4'-4 13/32" (1331) 4'-8 13/32" (1432) 4'-4 13/32" (1331) 4'-4 13/32" (1331)	 4'-4 13/32" (1331) 4'-8 13/32" (1432) 4'-4 13/32" (1331) 4'-4 13/32" (1331)	 4'-5 15/32" (1358) 4'-9 15/32" (1460) 4'-5 15/32" (1358) 4'-5 15/32" (1358)	 4'-5 15/32" (1358) 4'-9 15/32" (1460) 4'-5 15/32" (1358) 4'-5 15/32" (1358)	 4'-5 15/32" (1358) 4'-9 15/32" (1460) 4'-5 15/32" (1358) 4'-5 15/32" (1358)	4'-5 15/32" (1358) 4'-9 15/32" (1460) 4'-5 15/32" (1358) 4'-5 15/32" (1358)
 4'-7 7/8" (1419) 4'-11 19/32" (1520) 4'-7 7/8" (1419) 4'-7 7/8" (1419)	 4'-7 19/32" (1412) 4'-11 19/32" (1514) 4'-7 19/32" (1412) 4'-7 19/32" (1412)	 4'-7 19/32" (1412) 4'-11 19/32" (1514) 4'-7 19/32" (1412) 4'-7 19/32" (1412)	 4'-8 1/8" (1425) 4'-12 1/8" (1527) 4'-8 1/8" (1425) 4'-8 1/8" (1425)	 4'-8 13/32" (1432) 4'-12 13/32" (1534) 4'-8 13/32" (1432) 4'-8 13/32" (1432)	 4'-8 13/32" (1432) 4'-12 13/32" (1534) 4'-8 13/32" (1432) 4'-8 13/32" (1432)	 4'-9 15/32" (1460) 4'-13 15/32" (1561) 4'-9 15/32" (1460) 4'-9 15/32" (1460)	 4'-9 15/32" (1460) 4'-13 15/32" (1561) 4'-9 15/32" (1460) 4'-9 15/32" (1460)	 4'-9 15/32" (1460) 4'-13 15/32" (1561) 4'-9 15/32" (1460) 4'-9 15/32" (1460)	4'-9 15/32" (1460) 4'-13 15/32" (1561) 4'-9 15/32" (1460) 4'-9 15/32" (1460)

continued on next page

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.
- **Sized to fit over a single-panel stationary A-Series Frenchwood® Gliding Patio Door.

Table of Direct-Set Arch Window Sizes (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-11 1/4" (591)	2'-0 1/8" (613)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-6 1/8" (765)	2'-7 1/4" (794)	2'-8 1/8" (816)	2'-8 3/8" (822)	2'-9 1/4" (845)
Minimum Rough Opening	2'-0" (610)	2'-1" (635)	2'-4" (711)	2'-6" (762)	2'-7" (787)	2'-8" (813)	2'-9" (838)	2'-9" (838)	2'-10" (864)
Unobstructed Glass	19 1/4" (489)	20 1/8" (511)	23 1/4" (591)	25 1/4" (641)	26 1/8" (664)	27 1/4" (692)	28 1/8" (714)	28 3/8" (721)	29 1/4" (743)
CUSTOM SIZES AVAILABLE									
Window height shown in table	Radius	24" (610)	30" (762)	30" (762)	30" (762)	36" (914)	36" (914)	36" (914)	36" (914)
Chord Height	3" (76)	2 17/32" (64)	3 9/32" (83)	3 13/16" (97)	3 5/16" (84)	3 9/16" (91)	3 25/32" (96)	3 27/32" (98)	4 1/16" (103)
Shoulder Height	59 1/4" (1505)	5'-2 1/4" (1581)	5'-2 17/32" (1588)	5'-3 1/16" (1602)	5'-2 13/16" (1596)	5'-2 13/16" (1596)	5'-2 13/16" (1596)	5'-2 13/16" (1596)	5'-3 5/16" (1608)
ATAD2050			ATAD2450	ATAD2650	ATAD2850				ATAD21050
63 1/4" (1607)		5'-6 1/4" (1683)	5'-6 17/32" (1690)	5'-7 1/16" (1703)	5'-6 13/16" (1697)				5'-7 5/16" (1710)
ATAD2054		ATAD2054	ATAD2454	ATAD2654	ATAD2854				ATAD21054*
67 1/4" (1708)		5'-10 1/4" (1784)	5'-10 17/32" (1791)	5'-11 1/16" (1805)	5'-10 13/16" (1799)				5'-11 5/16" (1811)
ATAD2058		ATAD2058	ATAD2458	ATAD2658	ATAD2858*				ATAD21058*
71 1/4" (1810)		6'-2 1/4" (1886)	6'-2 17/32" (1893)	6'-3 1/16" (1906)	6'-2 13/16" (1900)				6'-3 5/16" (1913)
ATAD2060		ATAD2060	ATAD2460	ATAD2660*	ATAD2860*				ATAD21060*
75 1/4" (1911)		6'-6 1/4" (1988)	6'-6 17/32" (1994)	6'-7 1/16" (2008)	6'-6 13/16" (2002)				6'-7 5/16" (2015)
ATAD2064		ATAD2064	ATAD2464	ATAD2664*	ATAD2864*				ATAD21064*
79 1/4" (2013)		6'-10 1/4" (2089)	6'-10 17/32" (2096)	6'-11 1/16" (2110)	6'-10 13/16" (2104)				6'-11 5/16" (2116)
ATAD2068		ATAD2068	ATAD2468*	ATAD2668*	ATAD2868*				ATAD21068*
87 1/4" (2216)		7'-6 1/4" (2292)	7'-6 17/32" (2299)	7'-7 1/16" (2313)	7'-6 13/16" (2307)				7'-7 5/16" (2319)
ATAD2074		ATAD2074	ATAD2474*	ATAD2674*	ATAD2874*				ATAD21074*

• "Window Dimension" always refers to outside frame to frame dimension.

• "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.

• Dimensions in parentheses are in millimeters.

*Tempered laminated glass required. Some visual distortion may occur.

Notes on page 73 also apply to this page. Arch sizes on pages 68-80.

2'-11 1/4" (895)	3'-0 1/8" (918)	3'-1 1/4" (946)	3'-2 1/8" (968)	3'-2 3/8" (975)	3'-3 1/4" (997)	3'-7 1/4" (1099)	3'-8 3/8" (1127)	3'-11 1/4" (1200)	4'-2 3/8" (1280)
3'-0" (914)	3'-1" (940)	3'-2" (965)	3'-3" (991)	3'-3" (991)	3'-4" (1016)	3'-8" (1118)	3'-9" (1143)	4'-0" (1219)	4'-3" (1295)
31 1/4" (794)	32 1/8" (816)	33 1/4" (845)	34 1/8" (867)	34 3/8" (873)	35 1/4" (895)	39 1/4" (997)	40 3/8" (1026)	43 1/4" (1099)	46 3/8" (1178)

36"(914)	36"(914)	42"(1067)	42"(1067)	42"(1067)	42"(1067)	48"(1219)	48"(1219)	48"(1219)	60"(1524)
4 5/8" (117)	4 7/32" (123)	4 11/32" (111)	4 9/16" (116)	4 5/8" (118)	4 7/8" (124)	5 5/32" (131)	5 7/16" (138)	6 7/32" (158)	5 17/32" (141)
5'-3 7/8" (1622)	5'-3 19/32" (1616)	5'-4 1/8" (1629)	5'-4 13/32" (1636)	5'-4 1/8" (1629)	5'-4 13/32" (1636)	5'-8 1/8" (1730)	5'-8 13/32" (1737)	5'-9 15/32" (1764)	5'-11 19/32" (1819)
ATAD3050*	ATAD3250*	ATAD3450*	ATAD3850*	ATAD3450*	ATAD3850*	ATAD4050*	ATAD3054*	ATAD3254*	ATAD3454*
ATAD3054*	ATAD3254*	ATAD3454*	ATAD3854*	ATAD3454*	ATAD3854*	ATAD4054*	ATAD3058*	ATAD3258*	ATAD3458*
ATAD3058*	ATAD3258*	ATAD3458*	ATAD3858*	ATAD3458*	ATAD3858*	ATAD4058*	ATAD3060*	ATAD3260*	ATAD3460*
ATAD3060*	ATAD3260*	ATAD3460*	ATAD3860*	ATAD3460*	ATAD3860*	ATAD4060*	ATAD3064*	ATAD3264*	ATAD3464*
ATAD3064*	ATAD3264*	ATAD3464*	ATAD3864*	ATAD3464*	ATAD3864*	ATAD4064*	ATAD3068*	ATAD3268*	ATAD3468*
ATAD3068*	ATAD3268*	ATAD3468*	ATAD3868*	ATAD3468*	ATAD3868*	ATAD4068*	ATAD3074*	ATAD3274*	ATAD3474*
ATAD3074*	ATAD3274*	ATAD3474*	ATAD3874*	ATAD3474*	ATAD3874*	ATAD4074*			

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.
- Tempered laminated glass required. Some visual distortion may occur.

continued on next page

Table of Direct-Set Arch Window Sizes (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-11 1/4"	2'-0 1/8"	2'-3 1/4"	2'-5 1/4"	2'-6 1/8"	2'-7 1/4"	2'-8 1/8"	2'-8 3/8"	2'-9 1/4"
	(591)	(613)	(692)	(743)	(765)	(794)	(816)	(822)	(845)
Minimum Rough Opening	2'-0"	2'-1"	2'-4"	2'-6"	2'-7"	2'-8"	2'-9"	2'-9"	2'-10"
	(610)	(635)	(711)	(762)	(787)	(813)	(838)	(838)	(864)
Unobstructed Glass	19 1/4"	20 1/8"	23 1/4"	25 1/4"	26 1/8"	27 1/4"	28 1/8"	28 3/8"	29 1/4"
	(489)	(511)	(591)	(641)	(664)	(692)	(714)	(721)	(743)
CUSTOM SIZES AVAILABLE									
Window height shown in table	Radius	24"(610)	30"(762)	30"(762)	30"(762)	36"(914)	36"(914)	36"(914)	36"(914)
	Chord Height	3"(76)	2 17/32"(64)	3 9/32"(83)	3 13/16"(97)	3 5/16"(84)	3 9/16"(91)	3 25/32"(96)	3 27/32"(98)
	Shoulder Height	95 1/4"	8'-2 17/32"	8'-3 1/16"	8'-2 13/16"	8'-2 13/16"	8'-2 13/16"	8'-2 13/16"	8'-3 5/16"
		(2419)	(2502)	(2516)	(2510)	(2510)	(2510)	(2510)	(2523)
		8'-2 1/4"							
		(2496)							
			ATAD2480*	ATAD2680*	ATAD2880*				ATAD21080*

Minimum Rough Opening = window height + 3/4" (19)

Unobstructed Glass = window height - 4" (102)

CUSTOM SIZES AVAILABLE

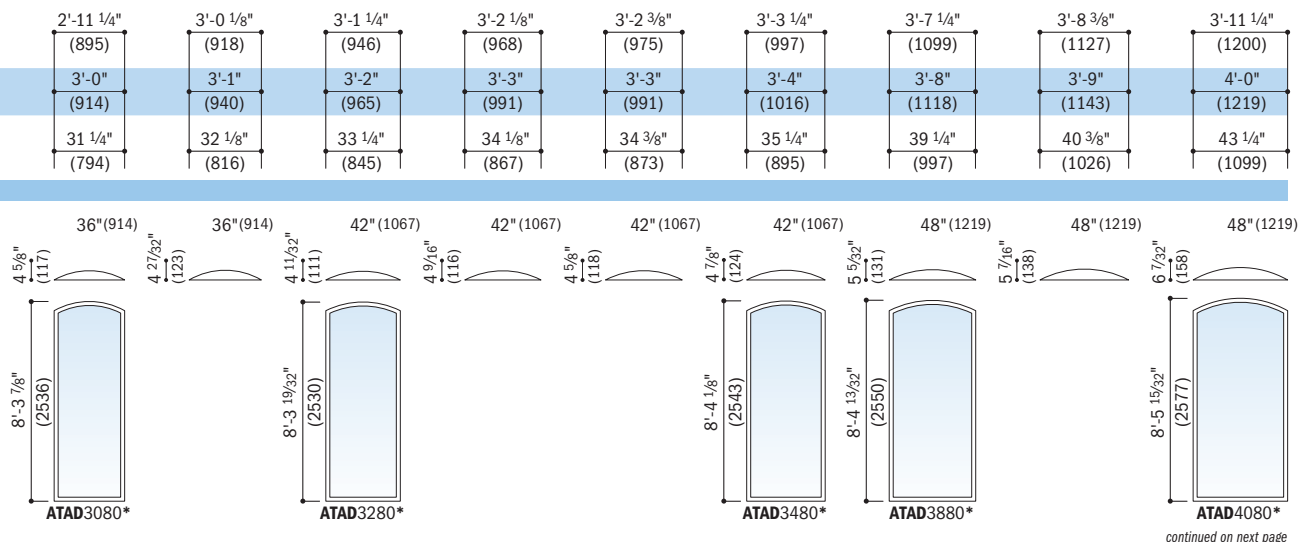
Direct-Set Arch Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)	Window Number	Glass Area Sq. Ft./ (m ²)	Window Number	Glass Area Sq. Ft./ (m ²)	Window Number	Glass Area Sq. Ft./ (m ²)
ATAD2010	1.27 (0.12)	ATAD2464	11.90 (1.11)	ATAD2850	10.95 (1.02)	ATAD3020	4.91 (0.46)
ATAD2020	2.88 (0.27)	ATAD2468	12.54 (1.17)	ATAD2854	11.71 (1.09)	ATAD3024	5.78 (0.54)
ATAD2024	3.41 (0.32)	ATAD2474	13.84 (1.29)	ATAD2858	12.47 (1.16)	ATAD3028	6.65 (0.62)
ATAD2028	3.95 (0.37)	ATAD2480	15.13 (1.41)	ATAD2860	13.22 (1.23)	ATAD3030	7.51 (0.70)
ATAD2030	4.48 (0.42)	ATAD2610	1.77 (0.16)	ATAD2864	13.98 (1.30)	ATAD3034	8.38 (0.78)
ATAD2034	5.02 (0.47)	ATAD2620	3.87 (0.36)	ATAD2868	14.74 (1.37)	ATAD3038	9.25 (0.86)
ATAD2038	5.55 (0.52)	ATAD2624	4.57 (0.42)	ATAD2874	16.25 (1.51)	ATAD3040	10.12 (0.94)
ATAD2040	6.09 (0.57)	ATAD2628	5.27 (0.49)	ATAD2880	17.77 (1.65)	ATAD3044	10.99 (1.02)
ATAD2044	6.62 (0.62)	ATAD2630	5.98 (0.56)	ATAD2910	1.96 (0.18)	ATAD3048	11.85 (1.10)
ATAD2048	7.16 (0.67)	ATAD2634	6.68 (0.62)	ATAD2920	4.30 (0.40)	ATAD3050	12.72 (1.18)
ATAD2050	7.69 (0.71)	ATAD2638	7.38 (0.69)	ATAD2924	5.09 (0.47)	ATAD3054	13.59 (1.26)
ATAD2054	8.23 (0.76)	ATAD2640	8.08 (0.75)	ATAD2928	5.87 (0.55)	ATAD3058	14.46 (1.34)
ATAD2058	8.76 (0.81)	ATAD2644	8.78 (0.82)	ATAD2930	6.65 (0.62)	ATAD3060	15.33 (1.42)
ATAD2060	9.29 (0.86)	ATAD2648	9.48 (0.88)	ATAD2910G	1.99 (0.18)	ATAD3064	16.19 (1.50)
ATAD2064	9.83 (0.91)	ATAD2650	10.18 (0.95)	ATAD2920G	4.35 (0.40)	ATAD3068	17.06 (1.58)
ATAD2068	10.36 (0.96)	ATAD2654	10.88 (1.01)	ATAD2924G	5.14 (0.48)	ATAD3074	18.80 (1.75)
ATAD2074	11.43 (1.06)	ATAD2658	11.59 (1.08)	ATAD2928G	5.93 (0.55)	ATAD3080	20.53 (1.91)
ATAD2080	12.50 (1.16)	ATAD2660	12.29 (1.14)	ATAD2930G	6.72 (0.62)	ATAD3110	2.41 (0.22)
ATAD2110	1.28 (0.12)	ATAD2664	12.99 (1.21)	ATAD21010	2.08 (0.19)	ATAD3120	5.09 (0.47)
ATAD2120	2.96 (0.27)	ATAD2668	13.69 (1.27)	ATAD21020	4.52 (0.42)	ATAD3124	5.98 (0.56)
ATAD2124	3.52 (0.33)	ATAD2674	15.09 (1.40)	ATAD21024	5.33 (0.50)	ATAD3128	6.87 (0.64)
ATAD2128	4.08 (0.38)	ATAD2680	16.50 (1.53)	ATAD21028	6.14 (0.57)	ATAD3130	7.76 (0.72)
ATAD2130	4.64 (0.43)	ATAD2710	1.76 (0.16)	ATAD21030	6.95 (0.65)	ATAD3210	2.41 (0.22)
ATAD2410	1.57 (0.15)	ATAD2720	3.94 (0.37)	ATAD21034	7.77 (0.72)	ATAD3220	5.18 (0.48)
ATAD2420	3.50 (0.33)	ATAD2724	4.66 (0.43)	ATAD21038	8.58 (0.80)	ATAD3224	6.10 (0.57)
ATAD2424	4.15 (0.39)	ATAD2728	5.39 (0.50)	ATAD21040	9.39 (0.87)	ATAD3228	7.02 (0.65)
ATAD2428	4.79 (0.45)	ATAD2730	6.11 (0.57)	ATAD21044	10.20 (0.95)	ATAD3230	7.95 (0.74)
ATAD2430	5.44 (0.51)	ATAD2810	1.87 (0.17)	ATAD21048	11.02 (1.02)	ATAD3234	8.87 (0.82)
ATAD2434	6.09 (0.57)	ATAD2820	4.14 (0.38)	ATAD21050	11.83 (1.10)	ATAD3238	9.80 (0.91)
ATAD2438	6.73 (0.63)	ATAD2824	4.90 (0.46)	ATAD21054	12.64 (1.17)	ATAD3240	10.72 (1.00)
ATAD2440	7.38 (0.69)	ATAD2828	5.66 (0.53)	ATAD21058	13.45 (1.25)	ATAD3244	11.64 (1.08)
ATAD2444	8.02 (0.75)	ATAD2830	6.41 (0.60)	ATAD21060	14.27 (1.33)	ATAD3248	12.57 (1.17)
ATAD2448	8.67 (0.81)	ATAD2834	7.17 (0.67)	ATAD21064	15.08 (1.40)	ATAD3250	13.49 (1.25)
ATAD2450	9.32 (0.87)	ATAD2838	7.93 (0.74)	ATAD21068	15.89 (1.48)	ATAD3254	14.41 (1.34)
ATAD2454	9.96 (0.93)	ATAD2840	8.68 (0.81)	ATAD21074	17.52 (1.63)	ATAD3258	15.34 (1.43)
ATAD2458	10.61 (0.99)	ATAD2844	9.44 (0.88)	ATAD21080	19.14 (1.78)	ATAD3260	16.26 (1.51)
ATAD2460	11.25 (1.05)	ATAD2848	10.20 (0.95)	ATAD3010	2.31 (0.21)		

• Dimensions in parentheses are in square meters.

continued on next page

Notes on this page also apply to previous page. Arch sizes on pages 68-80.



continued on next page

Direct-Set Arch Window Area Specifications (continued)

Window Number	Glass Area Sq. Ft./ (m ²)
ATAD3264	17.18 (1.60)
ATAD3268	18.11 (1.68)
ATAD3274	19.95 (1.85)
ATAD3280	21.80 (2.03)
ATAD3310	2.51 (0.23)
ATAD3320	5.35 (0.50)
ATAD3324	6.30 (0.59)
ATAD3328	7.25 (0.67)
ATAD3330	8.19 (0.76)
ATAD3310G	2.54 (0.24)
ATAD3320G	5.40 (0.50)
ATAD3324G	6.35 (0.59)
ATAD3328G	7.31 (0.68)
ATAD3330G	8.26 (0.77)
ATAD3410	2.64 (0.25)
ATAD3420	5.58 (0.52)
ATAD3424	6.56 (0.61)
ATAD3428	7.54 (0.70)
ATAD3430	8.51 (0.79)
ATAD3434	9.49 (0.88)
ATAD3438	10.47 (0.97)
ATAD3440	11.45 (1.06)
ATAD3444	12.43 (1.15)
ATAD3448	13.41 (1.25)
ATAD3450	14.39 (1.34)
ATAD3454	15.37 (1.43)
ATAD3458	16.35 (1.52)
ATAD3460	17.33 (1.61)
ATAD3464	18.31 (1.70)
ATAD3468	19.29 (1.79)
ATAD3474	21.24 (1.97)
ATAD3480	23.20 (2.16)
ATAD3810	2.99 (0.28)
ATAD3820	6.26 (0.58)
ATAD3824	7.35 (0.68)
ATAD3828	8.44 (0.78)
ATAD3830	9.53 (0.89)

Window Number	Glass Area Sq. Ft./ (m ²)
ATAD3834	10.62 (0.99)
ATAD3838	11.71 (1.09)
ATAD3840	12.80 (1.19)
ATAD3844	13.89 (1.29)
ATAD3848	14.98 (1.39)
ATAD3850	16.07 (1.49)
ATAD3854	17.16 (1.59)
ATAD3858	18.25 (1.70)
ATAD3860	19.34 (1.80)
ATAD3864	20.43 (1.90)
ATAD3868	21.52 (2.00)
ATAD3874	23.70 (2.20)
ATAD3880	25.88 (2.40)
ATAD3910	3.13 (0.29)
ATAD3920	6.49 (0.60)
ATAD3924	7.62 (0.71)
ATAD3928	8.74 (0.81)
ATAD3930	9.86 (0.92)
ATAD4010	3.52 (0.33)
ATAD4020	7.12 (0.66)
ATAD4024	8.32 (0.77)
ATAD4028	9.52 (0.88)
ATAD4030	10.73 (1.00)
ATAD4034	11.93 (1.11)
ATAD4038	13.13 (1.22)
ATAD4040	14.33 (1.33)
ATAD4044	15.53 (1.44)
ATAD4048	16.73 (1.55)
ATAD4050	17.93 (1.67)
ATAD4054	19.14 (1.78)
ATAD4058	20.34 (1.89)
ATAD4060	21.54 (2.00)
ATAD4064	22.74 (2.11)
ATAD4068	23.94 (2.22)
ATAD4074	26.34 (2.45)
ATAD4080	28.75 (2.67)
ATAD4310	3.61 (0.34)

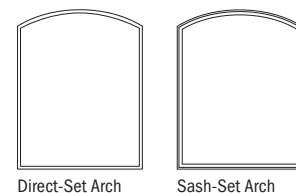
Window Number	Glass Area Sq. Ft./ (m ²)
ATAD4320	7.47 (0.69)
ATAD4324	8.76 (0.81)
ATAD4328	10.05 (0.93)
ATAD4330	11.34 (1.05)
ATAD4410	3.72 (0.35)
ATAD4420	7.66 (0.71)
ATAD4424	8.97 (0.83)
ATAD4428	10.29 (0.96)
ATAD4430	11.60 (1.08)
ATAD4434	12.91 (1.20)
ATAD4438	14.22 (1.32)
ATAD4440	15.54 (1.44)
ATAD4444	16.85 (1.57)
ATAD4448	18.16 (1.69)
ATAD4450	19.47 (1.81)
ATAD4454	20.79 (1.93)
ATAD4458	22.10 (2.05)
ATAD4460	23.41 (2.17)
ATAD4464	24.72 (2.30)
ATAD4468	26.04 (2.42)
ATAD4474	28.66 (2.66)
ATAD4480	31.29 (2.91)
ATAD4810	4.29 (0.40)
ATAD4820	8.56 (0.80)
ATAD4824	9.98 (0.93)
ATAD4828	11.40 (1.06)
ATAD4830	12.83 (1.19)
ATAD4834	14.25 (1.32)
ATAD4838	15.67 (1.46)
ATAD4840	17.10 (1.59)
ATAD4844	18.52 (1.72)
ATAD4848	19.95 (1.85)
ATAD4850	21.37 (1.99)
ATAD4854	22.79 (2.12)
ATAD4858	24.22 (2.25)
ATAD4860	25.64 (2.38)

• Dimensions in parentheses are in square meters.

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Custom-size windows are available in 1/8" (3) increments. Contact your Andersen supplier for more information.



Direct-set (ATAD) window sizes

shown. Use window dimensions and rough opening formula shown for sash-set (ATA) window sizes. For sash-set unobstructed glass dimensions see page 78.

Details on page 93. Grille patterns shown on page 89.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.
- Tempered laminated glass required. Some visual distortion may occur.

Table of Direct-Set Arch Window Sizes (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	4'-3 1/4" (1302)	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	5'-11 1/4" (1810)
Minimum Rough Opening	4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
Unobstructed Glass	47 1/4" (1200)	51 1/4" (1302)	55 1/4" (1403)	59 1/4" (1505)	63 1/4" (1607)	67 1/4" (1708)

CUSTOM SIZES AVAILABLE														
Window height shown in table	Radius		60"(1524)		60"(1524)		60"(1524)		72"(1829)		72"(1829)		72"(1829)	
	Chord	Height	Chord	Height	Chord	Height	Chord	Height	Chord	Height	Chord	Height	Chord	Height
Minimum Rough Opening = window height + 3/4" (19)	Unobstructed Glass = window height - 4" (102)	5 3/4" (146)		6 3/4" (171)		7 13/16" (199)		7 5/16" (186)		8 11/32" (212)		9 7/16" (240)		
		11 1/4" (286)		1'-6" (457)		1'-7 1/16" (484)		1'-6 9/16" (472)		1'-7 19/32" (497)		1'-8 11/16" (525)		
		23 1/4" (591)		2'-6" (762)		2'-7 1/16" (789)		2'-6 9/16" (776)		2'-7 19/32" (802)		2'-8 11/16" (830)		
		27 1/4" (692)		2'-10" (863)		2'-11 1/16" (891)		2'-10 9/16" (878)		2'-11 19/32" (904)		3'-0 11/16" (932)		
		31 1/4" (794)		3'-2" (965)		3'-3 1/16" (992)		3'-2 9/16" (980)		3'-3 19/32" (1005)		3'-4 11/16" (1033)		
		35 1/4" (895)		3'-6" (1066)		3'-7 1/16" (1094)		3'-6 9/16" (1081)		3'-7 19/32" (1107)		3'-8 11/16" (1135)		
		39 1/4" (997)		3'-10" (1168)		3'-11 1/16" (1196)		3'-10 9/16" (1183)		3'-11 19/32" (1209)		4'-0 11/16" (1237)		
		43 1/4" (1099)		4'-2" (1270)		4'-3 1/16" (1297)		4'-2 9/16" (1284)		4'-3 19/32" (1310)		4'-4 11/16" (1338)		
		47 1/4" (1200)		4'-6" (1371)		4'-7 1/16" (1399)		4'-6 9/16" (1386)		4'-7 19/32" (1412)		4'-8 11/16" (1440)		
		51 1/4" (1302)		4'-10" (1473)		4'-11 1/16" (1500)		4'-10 9/16" (1488)		4'-11 19/32" (1513)		5'-0 11/16" (1541)		
55 1/4" (1403)		5'-2" (1574)		5'-3 1/16" (1602)		5'-2 9/16" (1589)		5'-3 19/32" (1615)		5'-4 11/16" (1643)				
		ATAD4410	ATAD4810	ATAD5010	ATAD5410	ATAD5810	ATAD6010							
		ATAD4420	ATAD4820	ATAD5020	ATAD5420	ATAD5820	ATAD6020*							
		ATAD4424	ATAD4824	ATAD5024	ATAD5424*	ATAD5824*	ATAD6024*							
		ATAD4428	ATAD4828	ATAD5028*	ATAD5428*	ATAD5828*	ATAD6028*							
		ATAD4430	ATAD4830*	ATAD5030*	ATAD5430*	ATAD5830*	ATAD6030*							
		ATAD4434*	ATAD4834*	ATAD5034*	ATAD5434*	ATAD5834*	ATAD6034*							
		ATAD4438*	ATAD4838*	ATAD5038*	ATAD5438*	ATAD5838*	ATAD6038*							
		ATAD4440*	ATAD4840*	ATAD5040*	ATAD5440*	ATAD5840*	ATAD6040*							
		ATAD4444*	ATAD4844*	ATAD5044*	ATAD5444*	ATAD5844*	ATAD6044*							
		ATAD4448*	ATAD4848*	ATAD5048*	ATAD5448*	ATAD5848*	ATAD6048*							

• "Window Dimension" always refers to outside frame to frame dimension.

• "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.

• Dimensions in parentheses are in millimeters.

*Tempered laminated glass required. Some visual distortion may occur.

Notes on page 77 also apply to this page. Arch sizes on pages 68-80.

6'-3 1/4" (1911) 6'-4" (1930) 71 1/4" (1810)	6'-7 1/4" (2013) 6'-8" (2032) 75 1/4" (1911)	6'-11 1/4" (2115) 7'-0" (2134) 79 1/4" (2013)	7'-3 1/4" (2216) 7'-4" (2235) 83 1/4" (2115)	7'-10 7/16" (2399) 7'-11" (2413) 90 7/16" (2297)	7'-11 1/4" (2419) 8'-0" (2438) 91 1/4" (2318)
84" (2134) 8 29/32" (226) 1'-8 5/32" (512) ATAD6410 2'-8 5/32" (817) ATAD6420* 3'-0 5/32" (918) ATAD6424* 3'-4 5/32" (1020) ATAD6428* 3'-8 5/32" (1121) ATAD6430* 4'-0 5/32" (1223) ATAD6434* 4'-4 5/32" (1325) ATAD6438* 4'-8 5/32" (1426) ATAD6440* 5'-0 5/32" (1528) ATAD6444* 5'-4 5/32" (1629) ATAD6448*	84" (2134) 9 15/16" (252) 1'-9 3/16" (538) ATAD6810 2'-9 3/16" (843) ATAD6820* 3'-1 3/16" (944) ATAD6824* 3'-5 3/16" (1046) ATAD6828* 3'-9 3/16" (1148) ATAD6830* 4'-1 3/16" (1249) ATAD6834* 4'-5 3/16" (1351) ATAD6838* 4'-9 3/16" (1452) ATAD6840* 5'-1 3/16" (1554) ATAD6844* 5'-5 3/16" (1656) ATAD6848*	84" (2134) 11 11/32" (280) 1'-10 9/32" (566) ATAD7010 2'-10 9/32" (871) ATAD7020* 3'-2 9/32" (973) ATAD7024* 3'-6 9/32" (1074) ATAD7028* 3'-10 9/32" (1176) ATAD7030* 4'-2 9/32" (1277) ATAD7034* 4'-6 9/32" (1379) ATAD7038* 4'-10 9/32" (1481) ATAD7040* 5'-2 9/32" (1582) ATAD7044* 5'-6 9/32" (1684) ATAD7048*	96" (2438) 10 1/2" (266) 1'-9 3/4" (552) ATAD7410* 2'-9 3/4" (857) ATAD7420* 3'-1 3/4" (958) ATAD7424* 3'-5 3/4" (1060) ATAD7428* 3'-9 3/4" (1162) ATAD7430* 4'-1 3/4" (1263) ATAD7434* 4'-5 3/4" (1365) ATAD7438* 4'-9 3/4" (1466) ATAD7440* 5'-1 3/4" (1568) ATAD7444* 5'-5 3/4" (1670) ATAD7448*	96" (2438) 11 21/32" 12 13/32" (315) 1'-11 21/32" (601) ATAD7110* 2'-11 21/32" (906) ATAD71120* 3'-3 21/32" (1008) ATAD71124* 3'-7 21/32" (1109) ATAD71128* 3'-11 21/32" (1211) ATAD71130* 4'-3 29/32" (1318) ATAD8034* 4'-7 29/32" (1420) ATAD8038* 4'-11 29/32" (1521) ATAD8040* 5'-3 29/32" (1623) ATAD8044* 5'-7 29/32" (1725) ATAD8048*	96" (2438) 11 21/32" 12 21/32" (321) 1'-11 29/32" (607) ATAD8010* 2'-11 29/32" (912) ATAD8020* 3'-3 29/32" (1013) ATAD8024* 3'-7 29/32" (1115) ATAD8028* 3'-11 29/32" (1217) ATAD8030* 4'-3 29/32" (1318) ATAD8034* 4'-7 29/32" (1420) ATAD8038* 4'-11 29/32" (1521) ATAD8040* 5'-3 29/32" (1623) ATAD8044* 5'-7 29/32" (1725) ATAD8048*

continued on next page

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.
- Tempered laminated glass required. Some visual distortion may occur.

Table of Direct-Set Arch Window Sizes (continued)

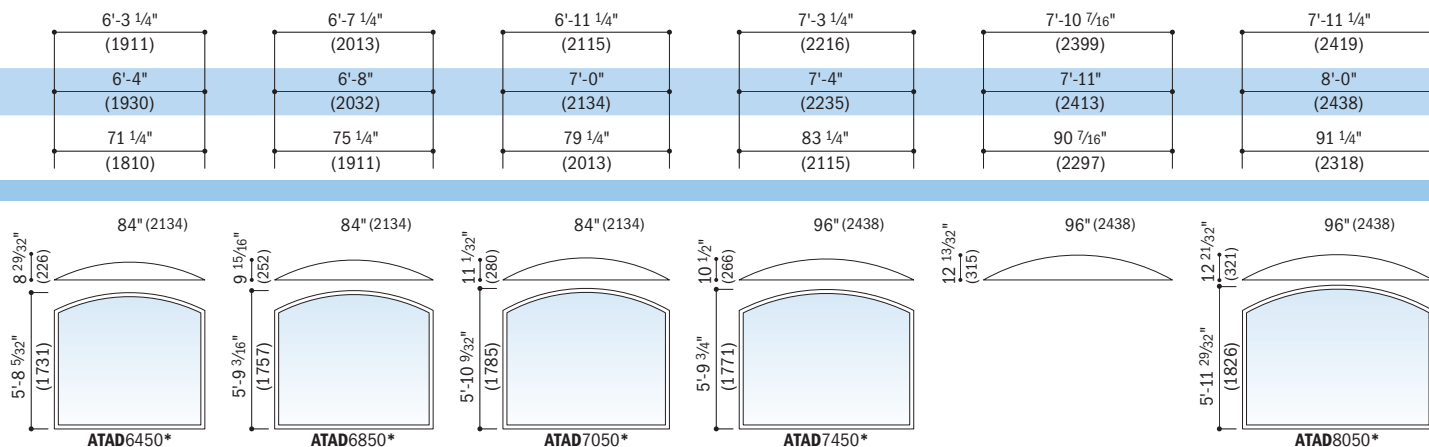
Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	4'-3 1/4" (1302)	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	5'-11 1/4" (1810)
Minimum Rough Opening	4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
Unobstructed Glass	47 1/4" (1200)	51 1/4" (1302)	55 1/4" (1403)	59 1/4" (1505)	63 1/4" (1607)	67 1/4" (1708)

CUSTOM SIZES AVAILABLE													
Window height shown in table	Radius	60" (1524)		60" (1524)		60" (1524)		72" (1829)		72" (1829)		72" (1829)	
	Chord Height	5 3/4" (146)		6 3/4" (171)		7 13/16" (199)		7 5/16" (186)		8 11/32" (212)		9 7/16" (240)	
	Shoulder Height	59 1/4" (1505)		5'-6" (1676)		5'-7 1/16" (1704)		5'-6 9/16" (1691)		5'-7 19/32" (1717)		5'-8 11/16" (1745)	
		ATAD4450*		ATAD4850*		ATAD5050*		ATAD5450*		ATAD5850*		ATAD6050*	
		63 1/4" (1607)		5'-10" (1778)		5'-11 1/16" (1805)		5'-10 9/16" (1792)		5'-11 19/32" (1818)		6'-0 11/16" (1846)	
		ATAD4454*		ATAD4854*		ATAD5054*		ATAD5454*		ATAD5854*		ATAD6054*	
		67 1/4" (1708)		6'-2" (1879)		6'-3 1/16" (1907)		6'-2 9/16" (1894)		6'-3 19/32" (1920)		6'-4 11/16" (1948)	
		ATAD4458*		ATAD4858*		ATAD5058*		ATAD5458*		ATAD5858*		ATAD6058*	
		71 1/4" (1810)		6'-6" (1981)		6'-7 1/16" (2008)		6'-6 9/16" (1996)		6'-7 19/32" (2021)		6'-8 11/16" (2049)	
		ATAD4460*		ATAD4860*		ATAD5060*		ATAD5460*		ATAD5860*		ATAD6060*	
	75 1/4" (1911)		6'-10" (2082)		6'-11 1/16" (2110)		6'-10 9/16" (2097)		6'-11 19/32" (2123)		7'-0 11/16" (2151)		
	ATAD4464*		ATAD4864*		ATAD5064*		ATAD5464*		ATAD5864*		ATAD6064*		
	79 1/4" (2013)		7'-2" (2184)		7'-3 1/16" (2212)		7'-2 9/16" (2199)		7'-3 19/32" (2225)		7'-4 11/16" (2253)		
	ATAD4468*		ATAD4868*		ATAD5068*		ATAD5468*		ATAD5868*		ATAD6068*		
	87 1/4" (2216)		7'-10" (2387)		7'-11 1/16" (2415)		7'-10 9/16" (2402)		7'-11 19/32" (2428)		8'-0 11/16" (2456)		
	ATAD4474*		ATAD4874*		ATAD5074*		ATAD5474*		ATAD5874*		ATAD6074*		

- * "Window Dimension" always refers to outside frame to frame dimension.
- * "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- * Dimensions in parentheses are in millimeters.
- * Tempered laminated glass required. Some visual distortion may occur.

Notes on this page also apply to previous page. Arch sizes on pages 68-80.



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Direct-Set Arch Window Area Specifications *(continued)*

Window Number	Glass Area Sq. Ft./ (m ²)
ATAD4864	27.06 (2.51)
ATAD4868	28.49 (2.65)
ATAD4874	31.33 (2.91)
ATAD4880	34.18 (3.18)
ATAD5010	4.91 (0.46)
ATAD5020	9.52 (0.88)
ATAD5024	11.05 (1.03)
ATAD5028	12.58 (1.17)
ATAD5030	14.12 (1.31)
ATAD5034	15.65 (1.45)
ATAD5038	17.19 (1.60)
ATAD5040	18.72 (1.74)
ATAD5044	20.26 (1.88)
ATAD5048	21.79 (2.02)
ATAD5050	23.33 (2.17)
ATAD5054	24.86 (2.31)
ATAD5058	26.40 (2.45)
ATAD5060	27.93 (2.59)
ATAD5064	29.47 (2.74)
ATAD5068	31.00 (2.88)
ATAD5074	34.07 (3.17)
ATAD5080	37.14 (3.45)
ATAD5410	5.11 (0.47)
ATAD5420	10.05 (0.93)
ATAD5424	11.69 (1.09)
ATAD5428	13.34 (1.24)
ATAD5430	14.98 (1.39)
ATAD5434	16.63 (1.54)
ATAD5438	18.28 (1.70)
ATAD5440	19.92 (1.85)
ATAD5444	21.57 (2.00)
ATAD5448	23.21 (2.16)
ATAD5450	24.86 (2.31)
ATAD5454	26.51 (2.46)
ATAD5458	28.15 (2.62)
ATAD5460	29.80 (2.77)
ATAD5464	31.44 (2.92)
ATAD5468	33.09 (3.07)
ATAD5474	36.38 (3.38)
ATAD5480	39.67 (3.69)

Window Number	Glass Area Sq. Ft./ (m ²)
ATAD5810	5.76 (0.54)
ATAD5820	11.04 (1.03)
ATAD5824	12.79 (1.19)
ATAD5828	14.55 (1.35)
ATAD5830	16.31 (1.52)
ATAD5834	18.06 (1.68)
ATAD5838	19.82 (1.84)
ATAD5840	21.58 (2.00)
ATAD5844	23.33 (2.17)
ATAD5848	25.09 (2.33)
ATAD5850	26.85 (2.49)
ATAD5854	28.60 (2.66)
ATAD5858	30.36 (2.82)
ATAD5860	32.12 (2.98)
ATAD5864	33.88 (3.15)
ATAD5868	35.63 (3.31)
ATAD5874	39.15 (3.64)
ATAD5880	42.66 (3.96)
ATAD6010	6.49 (0.60)
ATAD6020	12.09 (1.12)
ATAD6024	13.96 (1.30)
ATAD6028	15.83 (1.47)
ATAD6030	17.69 (1.64)
ATAD6034	19.56 (1.82)
ATAD6038	21.43 (1.99)
ATAD6040	23.30 (2.16)
ATAD6044	25.17 (2.34)
ATAD6048	27.03 (2.51)
ATAD6050	28.90 (2.68)
ATAD6054	30.77 (2.86)
ATAD6058	32.64 (3.03)
ATAD6060	34.51 (3.21)
ATAD6064	36.37 (3.38)
ATAD6068	38.24 (3.55)
ATAD6074	41.98 (3.90)
ATAD6410	6.67 (0.62)
ATAD6420	12.61 (1.17)
ATAD6424	14.59 (1.36)
ATAD6428	16.57 (1.54)
ATAD6430	18.55 (1.72)

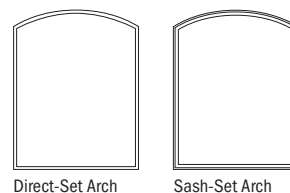
Window Number	Glass Area Sq. Ft./ (m ²)
ATAD6434	20.53 (1.91)
ATAD6438	22.51 (2.09)
ATAD6440	24.49 (2.28)
ATAD6444	26.47 (2.46)
ATAD6448	28.45 (2.64)
ATAD6450	30.42 (2.83)
ATAD6810	7.42 (0.69)
ATAD6820	13.70 (1.27)
ATAD6824	15.79 (1.47)
ATAD6828	17.88 (1.66)
ATAD6830	19.97 (1.86)
ATAD6834	22.06 (2.05)
ATAD6838	24.15 (2.24)
ATAD6840	26.24 (2.44)
ATAD6844	28.33 (2.63)
ATAD6848	30.42 (2.83)
ATAD6850	32.51 (3.02)
ATAD7010	8.24 (0.77)
ATAD7020	14.85 (1.38)
ATAD7024	17.05 (1.58)
ATAD7028	19.25 (1.79)
ATAD7030	21.45 (1.99)
ATAD7034	23.65 (2.20)
ATAD7038	25.85 (2.40)
ATAD7040	28.05 (2.61)
ATAD7044	30.26 (2.81)
ATAD7048	32.46 (3.02)
ATAD7050	34.66 (3.22)
ATAD7410	8.42 (0.78)
ATAD7420	15.36 (1.43)
ATAD7424	17.67 (1.64)
ATAD7428	19.98 (1.86)
ATAD7430	22.30 (2.07)
ATAD7434	24.61 (2.29)
ATAD7438	26.92 (2.50)
ATAD7440	29.23 (2.72)
ATAD7444	31.55 (2.93)
ATAD7448	33.86 (3.15)
ATAD7450	36.17 (3.36)

• Dimensions in parentheses are in square meters.

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Custom-size windows are available in 1/8" (3) increments. Contact your Andersen supplier for more information.



Direct-set (ATAD) window sizes

shown. Use window dimensions and rough opening formula shown for sash-set (ATA) window sizes. For sash-set unobstructed glass dimensions see page 78.

Details on page 93. Grille patterns shown on page 89.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.
- Tempered laminated glass required. Some visual distortion may occur.

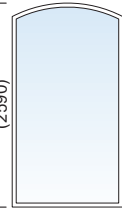
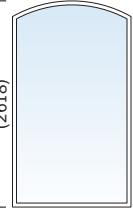
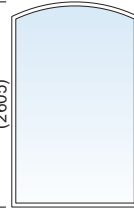
Table of Direct-Set Arch Window Sizes (continued)

Notes on page 77 also apply to this page. Arch sizes on pages 68-80.

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	4'-3 1/4" (1302)	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)
Minimum Rough Opening	4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)
Unobstructed Glass	47 1/4" (1200)	51 1/4" (1302)	55 1/4" (1403)	59 1/4" (1505)	63 1/4" (1607)

CUSTOM SIZES AVAILABLE

Window height shown in table	Radius	60" (1524)	60" (1524)	60" (1524)	72" (1829)	72" (1829)
Chord Height		5 3/4" (146) 	6 3/4" (171) 	7 13/16" (199) 	7 5/16" (186) 	8 11/32" (212) 
Shoulder Height		95 1/4" (2419) 8'-5" (2565) 	8'-6" (2590) 	8'-7 1/16" (2618) 	8'-6 9/16" (2605) 	8'-7 19/32" (2631) 
Minimum Rough Opening = window height + 3/4" (19)						
Unobstructed Glass = window height - 4" (102)						
CUSTOM SIZES AVAILABLE						
		ATAD4480*	ATAD4880*	ATAD5080*	ATAD5480*	ATAD5880*

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.
- *Tempered laminated glass required. Some visual distortion may occur.

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Direct-Set Arch Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)	Window Number	Glass Area Sq. Ft./ (m ²)	Window Number	Glass Area Sq. Ft./ (m ²)	Window Number	Glass Area Sq. Ft./ (m ²)
ATAD71110	9.99 (0.93)	ATAD8040	32.99 (3.06)	ATAD8844	38.15 (3.54)	ATAD9434	33.31 (3.09)
ATAD71120	17.52 (1.63)	ATAD8044	35.53 (3.30)	ATAD8848	40.90 (3.80)	ATAD9438	36.29 (3.37)
ATAD71124	20.04 (1.86)	ATAD8048	38.06 (3.54)	ATAD81110	11.30 (1.05)	ATAD9440	39.27 (3.65)
ATAD71128	22.55 (2.09)	ATAD8050	40.60 (3.77)	ATAD81120	19.83 (1.84)	ATAD10010	14.60 (1.36)
ATAD71130	25.06 (2.33)	ATAD8810	10.58 (0.98)	ATAD81124	22.68 (2.11)	ATAD10020	24.20 (2.25)
ATAD8010	10.18 (0.95)	ATAD8820	18.85 (1.75)	ATAD81128	25.52 (2.37)	ATAD10024	27.40 (2.55)
ATAD8020	17.78 (1.65)	ATAD8824	21.60 (2.01)	ATAD81130	28.37 (2.64)	ATAD10028	30.60 (2.84)
ATAD8024	20.32 (1.89)	ATAD8828	24.36 (2.26)	ATAD9410	12.46 (1.16)	ATAD10030	33.80 (3.14)
ATAD8028	22.85 (2.12)	ATAD8830	27.12 (2.52)	ATAD9420	21.39 (1.99)	ATAD10034	37.01 (3.44)
ATAD8030	25.39 (2.36)	ATAD8834	29.87 (2.78)	ATAD9424	24.37 (2.26)	ATAD10038	40.21 (3.74)
ATAD8034	27.92 (2.59)	ATAD8838	32.63 (3.03)	ATAD9428	27.35 (2.54)		
ATAD8038	30.46 (2.83)	ATAD8840	35.39 (3.29)	ATAD9430	30.33 (2.82)		

• Dimensions in parentheses are in square meters.

Sash-Set Arch Window Unobstructed Glass Dimensions and Area Specifications

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m ²)	Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m ²)	Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m ²)
ATA2010	16 5/8" (422)	7 5/8" (194)	0.81 (0.08)	ATA2128	17 1/2" (445)	27 1/8" (689)	3.23 (0.30)	ATA2620	22 5/8" (575)	20 3/8" (518)	3.07 (0.29)
ATA2020	16 5/8" (422)	19 5/8" (498)	2.19 (0.20)	ATA2130	17 1/2" (445)	31 1/8" (791)	3.72 (0.35)	ATA2624	22 5/8" (575)	24 3/8" (619)	3.70 (0.34)
ATA2024	16 5/8" (422)	23 5/8" (600)	2.65 (0.25)	ATA2410	20 5/8" (524)	7 7/8" (200)	1.03 (0.10)	ATA2628	22 5/8" (575)	28 3/8" (721)	4.33 (0.40)
ATA2028	16 5/8" (422)	27 5/8" (702)	3.11 (0.29)	ATA2420	20 5/8" (524)	19 7/8" (505)	2.74 (0.25)	ATA2630	22 5/8" (575)	32 3/8" (822)	4.95 (0.46)
ATA2030	16 5/8" (422)	31 5/8" (803)	3.58 (0.33)	ATA2424	20 5/8" (524)	23 7/8" (606)	3.32 (0.31)	ATA2634	22 5/8" (575)	36 3/8" (924)	5.58 (0.52)
ATA2034	16 5/8" (422)	35 5/8" (905)	4.04 (0.38)	ATA2428	20 5/8" (524)	27 7/8" (708)	3.89 (0.36)	ATA2638	22 5/8" (575)	40 3/8" (1026)	6.21 (0.58)
ATA2038	16 5/8" (422)	39 5/8" (1006)	4.50 (0.42)	ATA2430	20 5/8" (524)	31 7/8" (810)	4.46 (0.41)	ATA2640	22 5/8" (575)	44 3/8" (1127)	6.84 (0.64)
ATA2040	16 5/8" (422)	43 5/8" (1108)	4.96 (0.46)	ATA2434	20 5/8" (524)	35 7/8" (911)	5.03 (0.47)	ATA2644	22 5/8" (575)	48 3/8" (1229)	7.47 (0.69)
ATA2044	16 5/8" (422)	47 5/8" (1210)	5.42 (0.50)	ATA2438	20 5/8" (524)	39 7/8" (1013)	5.60 (0.52)	ATA2648	22 5/8" (575)	52 3/8" (1330)	8.09 (0.75)
ATA2048	16 5/8" (422)	51 5/8" (1311)	5.88 (0.55)	ATA2440	20 5/8" (524)	43 7/8" (1114)	6.18 (0.57)	ATA2650	22 5/8" (575)	56 3/8" (1432)	8.72 (0.81)
ATA2050	16 5/8" (422)	55 5/8" (1413)	6.34 (0.59)	ATA2444	20 5/8" (524)	47 7/8" (1216)	6.75 (0.63)	ATA2654	22 5/8" (575)	60 3/8" (1534)	9.35 (0.87)
ATA2054	16 5/8" (422)	59 5/8" (1514)	6.80 (0.63)	ATA2448	20 5/8" (524)	51 7/8" (1318)	7.32 (0.68)	ATA2658	22 5/8" (575)	64 3/8" (1635)	9.98 (0.93)
ATA2058	16 5/8" (422)	63 5/8" (1616)	7.26 (0.67)	ATA2450	20 5/8" (524)	55 7/8" (1419)	7.89 (0.73)	ATA2660	22 5/8" (575)	68 3/8" (1737)	10.60 (0.99)
ATA2060	16 5/8" (422)	67 5/8" (1718)	7.72 (0.72)	ATA2454	20 5/8" (524)	59 7/8" (1521)	8.46 (0.79)	ATA2664	22 5/8" (575)	72 3/8" (1838)	11.23 (1.04)
ATA2064	16 5/8" (422)	71 5/8" (1819)	8.18 (0.76)	ATA2458	20 5/8" (524)	63 7/8" (1622)	9.04 (0.84)	ATA2668	22 5/8" (575)	76 3/8" (1940)	11.86 (1.10)
ATA2068	16 5/8" (422)	75 5/8" (1921)	8.65 (0.80)	ATA2460	20 5/8" (524)	67 7/8" (1724)	9.61 (0.89)	ATA2674	22 5/8" (575)	84 3/8" (2143)	13.11 (1.22)
ATA2074	16 5/8" (422)	83 5/8" (2124)	9.57 (0.89)	ATA2464	20 5/8" (524)	71 7/8" (1826)	10.18 (0.95)	ATA2680	22 5/8" (575)	92 3/8" (2346)	14.37 (1.31)
ATA2080	16 5/8" (422)	91 5/8" (2327)	10.49 (0.97)	ATA2468	20 5/8" (524)	75 7/8" (1927)	10.75 (1.00)	ATA2710	23 1/2" (597)	7 7/8" (200)	1.17 (0.11)
ATA2110	17 1/2" (445)	7 1/8" (181)	0.81 (0.08)	ATA2474	20 5/8" (524)	83 7/8" (2130)	11.90 (1.11)	ATA2720	23 1/2" (597)	19 7/8" (505)	3.13 (0.29)
ATA2120	17 1/2" (445)	19 1/8" (486)	2.26 (0.21)	ATA2480	20 5/8" (524)	91 7/8" (2334)	13.04 (1.21)				
ATA2124	17 1/2" (445)	23 1/8" (587)	2.75 (0.26)	ATA2610	22 5/8" (575)	8 3/8" (213)	1.19 (0.11)				

• Dimensions in parentheses are in millimeters or square meters.

continued on next page

Sash-Set Arch Window Unobstructed Glass
Dimensions and Area Specifications *(continued)*

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m ²)
ATA2724	23 1/2" (597)	23 7/8" (606)	3.78 (0.35)
ATA2728	23 1/2" (597)	27 7/8" (708)	4.43 (0.41)
ATA2730	23 1/2" (597)	31 7/8" (810)	5.08 (0.47)
ATA2810	24 5/8" (625)	8 3/16" (208)	1.26 (0.12)
ATA2820	24 5/8" (625)	20 3/16" (513)	3.31 (0.31)
ATA2824	24 5/8" (625)	24 3/16" (614)	3.99 (0.37)
ATA2828	24 5/8" (625)	28 3/16" (716)	4.68 (0.43)
ATA2830	24 5/8" (625)	32 3/16" (818)	5.36 (0.50)
ATA2834	24 5/8" (625)	36 3/16" (919)	6.04 (0.56)
ATA2838	24 5/8" (625)	40 3/16" (1021)	6.72 (0.62)
ATA2840	24 5/8" (625)	44 3/16" (1122)	7.41 (0.69)
ATA2844	24 5/8" (625)	48 3/16" (1224)	8.09 (0.75)
ATA2848	24 5/8" (625)	52 3/16" (1326)	8.77 (0.81)
ATA2850	24 5/8" (625)	56 3/16" (1427)	9.46 (0.88)
ATA2854	24 5/8" (625)	60 3/16" (1529)	10.14 (0.94)
ATA2858	24 5/8" (625)	64 3/16" (1630)	10.82 (1.01)
ATA2860	24 5/8" (625)	68 3/16" (1732)	11.51 (1.07)
ATA2864	24 5/8" (625)	72 3/16" (1834)	12.19 (1.13)
ATA2868	24 5/8" (625)	76 3/16" (1935)	12.87 (1.20)
ATA2874	24 5/8" (625)	84 3/16" (2138)	14.24 (1.32)
ATA2880	24 5/8" (625)	92 3/16" (2342)	15.61 (1.45)
ATA2910	25 1/2" (648)	8 3/8" (213)	1.33 (0.12)
ATA2920	25 1/2" (648)	20 3/8" (518)	3.45 (0.32)
ATA2924	25 1/2" (648)	24 3/8" (619)	4.16 (0.39)
ATA2928	25 1/2" (648)	28 3/8" (721)	4.87 (0.45)
ATA2930	25 1/2" (648)	32 3/8" (822)	5.58 (0.52)
ATA2910G	25 3/4" (654)	8 7/16" (214)	1.35 (0.13)
ATA2920G	25 3/4" (654)	20 7/16" (519)	3.50 (0.33)
ATA2924G	25 3/4" (654)	24 7/16" (621)	4.21 (0.39)
ATA2928G	25 3/4" (654)	28 7/16" (722)	4.92 (0.46)
ATA2930G	25 3/4" (654)	32 7/16" (824)	5.64 (0.52)
ATA21010	26 5/8" (676)	8 11/16" (221)	1.43 (0.13)
ATA21020	26 5/8" (676)	20 11/16" (525)	3.65 (0.34)
ATA21024	26 5/8" (676)	24 11/16" (627)	4.38 (0.41)
ATA21028	26 5/8" (676)	28 11/16" (729)	5.12 (0.48)
ATA21030	26 5/8" (676)	32 11/16" (830)	5.86 (0.54)
ATA21034	26 5/8" (676)	36 11/16" (932)	6.60 (0.61)
ATA21038	26 5/8" (676)	40 11/16" (1033)	7.34 (0.68)
ATA21040	26 5/8" (676)	44 11/16" (1135)	8.08 (0.75)
ATA21044	26 5/8" (676)	48 11/16" (1237)	8.82 (0.82)
ATA21048	26 5/8" (676)	52 11/16" (1338)	9.55 (0.89)
ATA21050	26 5/8" (676)	56 11/16" (1440)	10.29 (0.96)
ATA21054	26 5/8" (676)	60 11/16" (1541)	11.03 (1.02)
ATA21058	26 5/8" (676)	64 11/16" (1643)	11.77 (1.09)
ATA21060	26 5/8" (676)	68 11/16" (1745)	12.51 (1.16)
ATA21064	26 5/8" (676)	72 11/16" (1846)	13.25 (1.23)
ATA21068	26 5/8" (676)	76 11/16" (1948)	13.99 (1.30)
ATA21074	26 5/8" (676)	84 11/16" (2151)	15.46 (1.44)
ATA21080	26 5/8" (676)	92 11/16" (2354)	16.94 (1.57)
ATA3010	28 5/8" (727)	9 3/16" (233)	1.61 (0.15)
ATA3020	28 5/8" (727)	21 3/16" (538)	4.00 (0.37)
ATA3024	28 5/8" (727)	25 3/16" (640)	4.79 (0.45)
ATA3028	28 5/8" (727)	29 3/16" (741)	5.59 (0.52)
ATA3030	28 5/8" (727)	33 3/16" (843)	6.38 (0.59)
ATA3034	28 5/8" (727)	37 3/16" (945)	7.17 (0.67)
ATA3038	28 5/8" (727)	41 3/16" (1046)	7.97 (0.74)
ATA3040	28 5/8" (727)	45 3/16" (1148)	8.76 (0.81)
ATA3044	28 5/8" (727)	49 3/16" (1249)	9.56 (0.89)
ATA3048	28 5/8" (727)	53 3/16" (1351)	10.35 (0.96)
ATA3050	28 5/8" (727)	57 3/16" (1453)	11.15 (1.04)
ATA3054	28 5/8" (727)	61 3/16" (1554)	11.94 (1.11)

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m ²)
ATA3058	28 5/8" (727)	65 3/16" (1656)	12.73 (1.18)
ATA3060	28 5/8" (727)	69 3/16" (1757)	13.53 (1.26)
ATA3064	28 5/8" (727)	73 3/16" (1859)	14.32 (1.33)
ATA3068	28 5/8" (727)	77 3/16" (1961)	15.12 (1.40)
ATA3074	28 5/8" (727)	85 3/16" (2164)	16.71 (1.55)
ATA3080	28 5/8" (727)	93 3/16" (2367)	18.29 (1.70)
ATA3110	29 1/2" (749)	9 7/16" (240)	1.70 (0.16)
ATA3120	29 1/2" (749)	21 7/16" (545)	4.16 (0.39)
ATA3124	29 1/2" (749)	25 7/16" (646)	4.97 (0.46)
ATA3128	29 1/2" (749)	29 7/16" (748)	5.79 (0.54)
ATA3130	29 1/2" (749)	33 7/16" (849)	6.61 (0.61)
ATA3210	30 5/8" (778)	8 15/16" (227)	1.68 (0.16)
ATA3220	30 5/8" (778)	20 15/16" (532)	4.23 (0.39)
ATA3224	30 5/8" (778)	24 15/16" (633)	5.08 (0.47)
ATA3228	30 5/8" (778)	28 15/16" (735)	5.93 (0.55)
ATA3230	30 5/8" (778)	32 15/16" (837)	6.78 (0.63)
ATA3234	30 5/8" (778)	36 15/16" (938)	7.63 (0.71)
ATA3238	30 5/8" (778)	40 15/16" (1040)	8.48 (0.87)
ATA3240	30 5/8" (778)	44 15/16" (1141)	9.33 (0.87)
ATA3244	30 5/8" (778)	48 15/16" (1243)	10.18 (0.95)
ATA3248	30 5/8" (778)	52 15/16" (1345)	11.03 (1.02)
ATA3250	30 5/8" (778)	56 15/16" (1446)	11.88 (1.10)
ATA3254	30 5/8" (778)	60 15/16" (1548)	12.73 (1.18)
ATA3258	30 5/8" (778)	64 15/16" (1649)	13.58 (1.26)
ATA3260	30 5/8" (778)	68 15/16" (1751)	14.43 (1.34)
ATA3264	30 5/8" (778)	72 15/16" (1853)	15.28 (1.42)
ATA3268	30 5/8" (778)	76 15/16" (1954)	16.13 (1.50)
ATA3274	30 5/8" (778)	84 15/16" (2157)	17.83 (1.66)
ATA3280	30 5/8" (778)	92 15/16" (2361)	19.53 (1.81)
ATA3310	31 1/2" (800)	9 3/16" (233)	1.76 (0.16)
ATA3320	31 1/2" (800)	21 3/16" (538)	4.39 (0.41)
ATA3324	31 1/2" (800)	25 3/16" (640)	5.26 (0.49)
ATA3328	31 1/2" (800)	29 3/16" (741)	6.14 (0.57)
ATA3330	31 1/2" (800)	33 3/16" (843)	7.01 (0.65)
ATA3310G	31 3/4" (806)	9 1/4" (235)	1.79 (0.17)
ATA3320G	31 3/4" (806)	21 1/4" (540)	4.43 (0.41)
ATA3324G	31 3/4" (806)	25 1/4" (641)	5.31 (0.49)
ATA3328G	31 3/4" (806)	29 1/4" (743)	6.19 (0.58)
ATA3330G	31 3/4" (806)	33 1/4" (845)	7.08 (0.66)
ATA3410	32 5/8" (829)	9 7/16" (240)	1.88 (0.17)
ATA3420	32 5/8" (829)	21 7/16" (545)	4.59 (0.43)
ATA3424	32 5/8" (829)	25 7/16" (646)	5.50 (0.51)
ATA3428	32 5/8" (829)	29 7/16" (748)	6.40 (0.59)
ATA3430	32 5/8" (829)	33 7/16" (849)	7.31 (0.68)
ATA3434	32 5/8" (829)	37 7/16" (951)	8.21 (0.76)
ATA3438	32 5/8" (829)	41 7/16" (1053)	9.12 (0.85)
ATA3440	32 5/8" (829)	45 7/16" (1154)	10.02 (0.93)
ATA3444	32 5/8" (829)	49 7/16" (1256)	10.93 (1.02)
ATA3448	32 5/8" (829)	53 7/16" (1357)	11.83 (1.10)
ATA3450	32 5/8" (829)	57 7/16" (1459)	12.74 (1.18)
ATA3454	32 5/8" (829)	61 7/16" (1561)	13.65 (1.27)
ATA3458	32 5/8" (829)	65 7/16" (1662)	14.55 (1.35)
ATA3460	32 5/8" (829)	69 7/16" (1764)	15.46 (1.44)
ATA3464	32 5/8" (829)	73 7/16" (1865)	16.36 (1.52)
ATA3468	32 5/8" (829)	77 7/16" (1967)	17.27 (1.60)
ATA3474	32 5/8" (829)	85 7/16" (2170)	19.08 (1.77)
ATA3480	32 5/8" (829)	93 7/16" (2373)	20.89 (1.94)
ATA3810	36 5/8" (930)	9 3/4" (248)	2.15 (0.20)
ATA3820	36 5/8" (930)	21 3/4" (552)	5.20 (0.48)
ATA3824	36 5/8" (930)	25 3/4" (654)	6.22 (0.58)
ATA3828	36 5/8" (930)	29 3/4" (756)	7.23 (0.67)

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m ²)
ATA3830	36 5/8" (930)	33 3/4" (857)	8.25 (0.77)
ATA3834	36 5/8" (930)	37 3/4" (959)	9.27 (0.86)
ATA3838	36 5/8" (930)	41 3/4" (1060)	10.28 (0.96)
ATA3840	36 5/8" (930)	45 3/4" (1162)	11.30 (1.05)
ATA3844	36 5/8" (930)	49 3/4" (1264)	12.31 (1.14)
ATA3848	36 5/8" (930)	53 3/4" (1365)	13.33 (1.24)
ATA3850	36 5/8" (930)	57 3/4" (1467)	14.35 (1.33)
ATA3854	36 5/8" (930)	61 3/4" (1568)	15.36 (1.43)
ATA3858	36 5/8" (930)	65 3/4" (1670)	16.38 (1.52)
ATA3860	36 5/8" (930)	69 3/4" (1772)	17.40 (1.62)
ATA3864	36 5/8" (930)	73 3/4" (1873)	18.41 (1.71)
ATA3868	36 5/8" (930)	77 3/4" (1975)	19.43 (1.81)
ATA3874	36 5/8" (930)	85 3/4" (2178)	21.46 (1.99)
ATA3880	36 5/8" (930)	93 3/4" (2381)	23.50 (2.18)
ATA3910	37 3/4" (959)	10" (254)	2.27 (0.21)
ATA3920	37 3/4" (959)	22" (559)	5.41 (0.50)
ATA3924	37 3/4" (959)	26" (660)	6.46 (0.60)
ATA3928	37 3/4" (959)	30" (762)	7.51 (0.70)
ATA3930	37 3/4" (959)	34" (864)	8.56 (0.80)
ATA4010	40 5/8" (1032)	10 13/16" (275)	2.60 (0.24)
ATA4020	40 5/8" (1032)	22 13/16" (579)	5.98 (0.56)
ATA4024	40 5/8" (1032)	26 13/16" (681)	7.11 (0.66)
ATA4028	40 5/8" (1032)	30 13/16" (783)	8.24 (0.77)
ATA4030	40 5/8" (1032)	34 13/16" (884)	9.37 (0.87)
ATA4034	40 5/8" (1032)	38 13/16" (986)	10.49 (0.97)
ATA4038	40 5/8" (1032)	42 13/16" (1087)	11.62 (1.08)
ATA4040	40 5/8" (1032)	46 13/16" (1189)	12.75 (1.18)
ATA4044	40 5/8" (1032)	50 13/16" (1291)	13.88 (1.29)
ATA4048	40 5/8" (1032)	54 13/16" (1392)	15.00 (1.39)
ATA4050	40 5/8" (1032)	58 13/16" (1494)	16.13 (1.50)
ATA4054	40 5/8" (1032)	62 13/16" (1595)	17.26 (1.60)
ATA4058	40 5/8" (1032)	66 13/16" (1697)	18.39 (1.71)
ATA4060	40 5/8" (1032)	70 13/16" (1799)	19.51 (1.81)
ATA4064	40 5/8" (1032)	74 13/16" (1900)	20.64 (1.92)
ATA4068	40 5/8" (1032)	78 13/16" (2002)	21.77 (2.02)
ATA4074	40 5/8" (1032)	86 13/16" (2205)	24.02 (2.23)
ATA4080	40 5/8" (1032)	94 13/16" (2408)	26.28 (2.44)
ATA4310	43 3/4" (1111)	10 1/8" (257)	2.64 (0.25)
ATA4320	43 3/4" (1111)	22 1/8" (562)	6.28 (0.58)
ATA4324	43 3/4" (1111)	26 1/8" (664)	7.50 (0.70)
ATA4328	43 3/4" (1111)	30 1/8" (765)	8.71 (0.81)
ATA4330	43 3/4" (1111)	34 1/8" (867)	9.93 (0.92)
ATA4410	44 5/8" (1133)	10 5/16" (262)	2.74 (0.25)
ATA4420	44 5/8" (1133)	22 5/16" (567)	6.45 (0.60)
ATA4424	44 5/8" (1133)	26 5/16" (668)	7.69 (0.71)
ATA4428	44 5/8" (1133)	30 5/16" (770)	8.93 (0.83)
ATA4430	44 5/8" (1133)	34 5/16" (872)	10.17 (0.94)
ATA4434	44 5/8" (1133)	38 5/16" (973)	11.41 (1.06)
ATA4438	44 5/8" (1133)	42 5/16" (1075)	12.65 (1.18)
ATA4440	44 5/8" (1133)	46 5/16" (1176)	13.89 (1.29)
ATA4444	44 5/8" (1133)	50 5/16" (1278)	15.13 (1.41)
ATA4448	44 5/8" (1133)	54 5/16" (1380)	16.36 (1.52)
ATA4450	44 5/8" (1133)	58 5/16" (1481)	17.60 (1.64)
ATA4454	44 5/8" (1133)	62 5/16" (1583)	18.84 (1.75)
ATA4458	44 5/8" (1133)	66 5/16" (1684)	20.08 (1.87)
ATA4460	44 5/8" (1133)	70 5/16" (1786)	21.32 (1.98)
ATA4464	44 5/8" (1133)	74 5/16" (1888)	22.56 (2.10)
ATA4468	44 5/8" (1133)	78 5/16" (1989)	23.80 (2.21)
ATA4474	44 5/8" (1133)	86 5/16" (2192)	26.27 (2.44)

• Dimensions in parentheses are in millimeters or square meters.

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Table of Direct-Set Arch Window Sizes (continued)

Scale $\frac{1}{8}$ " (3) = 1'-0" (305) – 1:96

Notes on page 77 also apply to this page. Arch sizes on pages 68-80.

Window Dimension	8'-7 $\frac{1}{4}$ " (2623)	8'-10 $\frac{7}{16}$ " (2704)	9'-3 $\frac{1}{4}$ " (2826)	9'-11 $\frac{1}{4}$ " (3029)
Minimum Rough Opening	8'-8" (2642)	8'-11" (2718)	9'-4" (2845)	10'-0" (3048)
Unobstructed Glass	99 $\frac{1}{4}$ " (2521)	102 $\frac{7}{16}$ " (2602)	107 $\frac{1}{4}$ " (2724)	115 $\frac{1}{4}$ " (2927)

CUSTOM SIZES AVAILABLE				
Window height shown in table	Radius	Chord Height	Shoulder Height	Unobstructed Glass = window height - 4" (102)
Minimum Rough Opening = window height + $\frac{3}{4}$ " (19)	120" (3048)	120" (3048)	120" (3048)	120" (3048)
11 $\frac{1}{16}$ " (286)				
11 $\frac{1}{16}$ " (286)	ATAD8810*	ATAD81110*	ATAD9410*	ATAD10010*
23 $\frac{1}{4}$ " (591)				
23 $\frac{1}{4}$ " (591)	ATAD8820*	ATAD81120*	ATAD9420*	ATAD10020*
27 $\frac{1}{4}$ " (692)				
27 $\frac{1}{4}$ " (692)	ATAD8824*	ATAD81124*	ATAD9424*	ATAD10024*
31 $\frac{1}{4}$ " (794)				
31 $\frac{1}{4}$ " (794)	ATAD8828*	ATAD81128*	ATAD9428*	ATAD10028*
35 $\frac{1}{4}$ " (895)				
35 $\frac{1}{4}$ " (895)	ATAD8830*	ATAD81130*	ATAD9430*	ATAD10030*
39 $\frac{1}{4}$ " (997)				
39 $\frac{1}{4}$ " (997)	ATAD8834*	ATAD9434*	ATAD10034*	
43 $\frac{1}{4}$ " (1099)				
43 $\frac{1}{4}$ " (1099)	ATAD8838*	ATAD9438*	ATAD10038*	
47 $\frac{1}{4}$ " (1200)				
47 $\frac{1}{4}$ " (1200)	ATAD8840*	ATAD9440*		
51 $\frac{1}{4}$ " (1302)				
51 $\frac{1}{4}$ " (1302)	ATAD8844*			
55 $\frac{1}{4}$ " (1403)				
55 $\frac{1}{4}$ " (1403)	ATAD8848*			

• "Window Dimension" always refers to outside frame to frame dimension.

• "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.

• Dimensions in parentheses are in millimeters.

*Tempered laminated glass required. Some visual distortion may occur.

Sash-Set Arch Window Unobstructed Glass Dimensions and Area Specifications *(continued)*

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m ²)
ATA4480	44 5/8" (1133)	94 5/16" (2396)	28.75 (2.67)
ATA4810	48 5/8" (1235)	11 5/16" (287)	3.22 (0.30)
ATA4820	48 5/8" (1235)	23 5/16" (592)	7.27 (0.68)
ATA4824	48 5/8" (1235)	27 5/16" (694)	8.62 (0.80)
ATA4828	48 5/8" (1235)	31 5/16" (795)	9.97 (0.93)
ATA4830	48 5/8" (1235)	35 5/16" (897)	11.32 (1.05)
ATA4834	48 5/8" (1235)	39 5/16" (999)	12.67 (1.18)
ATA4838	48 5/8" (1235)	43 5/16" (1100)	14.02 (1.30)
ATA4840	48 5/8" (1235)	47 5/16" (1202)	15.37 (1.43)
ATA4844	48 5/8" (1235)	51 5/16" (1303)	16.72 (1.55)
ATA4848	48 5/8" (1235)	55 5/16" (1405)	18.07 (1.68)
ATA4850	48 5/8" (1235)	59 5/16" (1507)	19.42 (1.80)
ATA4854	48 5/8" (1235)	63 5/16" (1608)	20.77 (1.93)
ATA4858	48 5/8" (1235)	67 5/16" (1710)	22.12 (2.06)
ATA4860	48 5/8" (1235)	71 5/16" (1811)	23.47 (2.18)
ATA4864	48 5/8" (1235)	75 5/16" (1913)	24.82 (2.31)
ATA4868	48 5/8" (1235)	79 5/16" (2015)	26.17 (2.43)
ATA4874	48 5/8" (1235)	87 5/16" (2218)	28.87 (2.68)
ATA4880	48 5/8" (1235)	95 5/16" (2421)	31.57 (2.93)
ATA5010	52 5/8" (1337)	12 7/16" (316)	3.77 (0.35)
ATA5020	52 5/8" (1337)	24 7/16" (621)	8.15 (0.76)
ATA5024	52 5/8" (1337)	28 7/16" (722)	9.61 (0.89)
ATA5028	52 5/8" (1337)	32 7/16" (824)	11.07 (1.03)
ATA5030	52 5/8" (1337)	36 7/16" (926)	12.53 (1.16)
ATA5034	52 5/8" (1337)	40 7/16" (1027)	13.99 (1.30)
ATA5038	52 5/8" (1337)	44 7/16" (1129)	15.45 (1.44)
ATA5040	52 5/8" (1337)	48 7/16" (1230)	16.92 (1.57)
ATA5044	52 5/8" (1337)	52 7/16" (1332)	18.38 (1.71)
ATA5048	52 5/8" (1337)	56 7/16" (1434)	19.84 (1.84)
ATA5050	52 5/8" (1337)	60 7/16" (1535)	21.30 (1.98)
ATA5054	52 5/8" (1337)	64 7/16" (1637)	22.76 (2.11)
ATA5058	52 5/8" (1337)	68 7/16" (1738)	24.22 (2.25)
ATA5060	52 5/8" (1337)	72 7/16" (1840)	25.68 (2.39)
ATA5064	52 5/8" (1337)	76 7/16" (1942)	27.14 (2.52)
ATA5068	52 5/8" (1337)	80 7/16" (2043)	28.60 (2.66)
ATA5074	52 5/8" (1337)	88 7/16" (2246)	31.52 (2.93)
ATA5080	52 5/8" (1337)	96 7/16" (2450)	34.45 (3.20)
ATA5410	56 5/8" (1438)	11 15/16" (303)	3.90 (0.36)
ATA5420	56 5/8" (1438)	23 15/16" (608)	8.61 (0.80)
ATA5424	56 5/8" (1438)	27 15/16" (710)	10.18 (0.95)
ATA5428	56 5/8" (1438)	31 15/16" (811)	11.76 (1.09)
ATA5430	56 5/8" (1438)	35 15/16" (913)	13.33 (1.24)
ATA5434	56 5/8" (1438)	39 15/16" (1014)	14.90 (1.38)
ATA5438	56 5/8" (1438)	43 15/16" (1116)	16.47 (1.53)
ATA5440	56 5/8" (1438)	47 15/16" (1218)	18.05 (1.68)
ATA5444	56 5/8" (1438)	51 15/16" (1319)	19.62 (1.82)
ATA5448	56 5/8" (1438)	55 15/16" (1421)	21.19 (1.97)
ATA5450	56 5/8" (1438)	59 15/16" (1522)	22.76 (2.11)
ATA5454	56 5/8" (1438)	63 15/16" (1624)	24.33 (2.26)
ATA5458	56 5/8" (1438)	67 15/16" (1726)	25.91 (2.41)
ATA5460	56 5/8" (1438)	71 15/16" (1827)	27.48 (2.55)
ATA5464	56 5/8" (1438)	75 15/16" (1929)	29.05 (2.70)
ATA5468	56 5/8" (1438)	79 15/16" (2030)	30.62 (2.84)
ATA5474	56 5/8" (1438)	87 15/16" (2234)	33.77 (3.14)
ATA5480	56 5/8" (1438)	95 15/16" (2437)	36.91 (3.43)
ATA5810	60 5/8" (1540)	12 15/16" (329)	4.47 (0.42)
ATA5820	60 5/8" (1540)	24 15/16" (633)	9.52 (0.88)
ATA5824	60 5/8" (1540)	28 15/16" (735)	11.21 (1.04)
ATA5828	60 5/8" (1540)	32 15/16" (837)	12.89 (1.20)
ATA5830	60 5/8" (1540)	36 15/16" (938)	14.57 (1.35)

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m ²)
ATA5834	60 5/8" (1540)	40 15/16" (1040)	16.26 (1.51)
ATA5838	60 5/8" (1540)	44 15/16" (1141)	17.94 (1.67)
ATA5840	60 5/8" (1540)	48 15/16" (1243)	19.62 (1.82)
ATA5844	60 5/8" (1540)	52 15/16" (1345)	21.30 (1.98)
ATA5848	60 5/8" (1540)	56 15/16" (1446)	22.99 (2.14)
ATA5850	60 5/8" (1540)	60 15/16" (1548)	24.67 (2.29)
ATA5854	60 5/8" (1540)	64 15/16" (1649)	26.35 (2.45)
ATA5858	60 5/8" (1540)	68 15/16" (1751)	28.04 (2.61)
ATA5860	60 5/8" (1540)	72 15/16" (1853)	29.72 (2.76)
ATA5864	60 5/8" (1540)	76 15/16" (1954)	31.40 (2.92)
ATA5868	60 5/8" (1540)	80 15/16" (2056)	33.09 (3.07)
ATA5874	60 5/8" (1540)	88 15/16" (2259)	36.45 (3.39)
ATA5880	60 5/8" (1540)	96 15/16" (2462)	39.82 (3.70)
ATA6010	64 5/8" (1641)	14" (356)	5.11 (0.47)
ATA6020	64 5/8" (1641)	26" (660)	10.50 (0.98)
ATA6024	64 5/8" (1641)	30" (762)	12.29 (1.14)
ATA6028	64 5/8" (1641)	34" (864)	14.09 (1.31)
ATA6030	64 5/8" (1641)	38" (965)	15.88 (1.48)
ATA6034	64 5/8" (1641)	42" (1067)	17.67 (1.64)
ATA6038	64 5/8" (1641)	46" (1168)	19.47 (1.81)
ATA6040	64 5/8" (1641)	50" (1270)	21.26 (1.98)
ATA6044	64 5/8" (1641)	54" (1372)	23.06 (2.14)
ATA6048	64 5/8" (1641)	58" (1473)	24.85 (2.31)
ATA6050	64 5/8" (1641)	62" (1575)	26.65 (2.48)
ATA6054	64 5/8" (1641)	66" (1676)	28.44 (2.64)
ATA6058	64 5/8" (1641)	70" (1778)	30.23 (2.81)
ATA6060	64 5/8" (1641)	74" (1880)	32.03 (2.98)
ATA6064	64 5/8" (1641)	78" (1981)	33.82 (3.14)
ATA6068	64 5/8" (1641)	82" (2083)	35.62 (3.31)
ATA6074	64 5/8" (1641)	90" (2286)	39.21 (3.64)
ATA6410	68 5/8" (1743)	13 1/2" (343)	5.24 (0.49)
ATA6420	68 5/8" (1743)	25 1/2" (648)	10.95 (1.02)
ATA6424	68 5/8" (1743)	29 1/2" (749)	12.86 (1.19)
ATA6428	68 5/8" (1743)	33 1/2" (851)	14.76 (1.37)
ATA6430	68 5/8" (1743)	37 1/2" (953)	16.67 (1.55)
ATA6434	68 5/8" (1743)	41 1/2" (1054)	18.57 (1.73)
ATA6438	68 5/8" (1743)	45 1/2" (1156)	20.48 (1.90)
ATA6440	68 5/8" (1743)	49 1/2" (1257)	22.38 (2.08)
ATA6444	68 5/8" (1743)	53 1/2" (1359)	24.29 (2.26)
ATA6448	68 5/8" (1743)	57 1/2" (1461)	26.19 (2.43)
ATA6450	68 5/8" (1743)	61 1/2" (1562)	28.10 (2.61)
ATA6810	72 5/8" (1845)	14 1/2" (368)	5.91 (0.55)
ATA6820	72 5/8" (1845)	26 1/2" (673)	11.96 (1.11)
ATA6824	72 5/8" (1845)	30 1/2" (775)	13.97 (1.30)
ATA6828	72 5/8" (1845)	34 1/2" (876)	15.99 (1.49)
ATA6830	72 5/8" (1845)	38 1/2" (978)	18.01 (1.67)
ATA6834	72 5/8" (1845)	42 1/2" (1080)	20.02 (1.86)
ATA6838	72 5/8" (1845)	46 1/2" (1181)	22.04 (2.05)
ATA6840	72 5/8" (1845)	50 1/2" (1283)	24.05 (2.23)
ATA6844	72 5/8" (1845)	54 1/2" (1384)	26.07 (2.42)
ATA6848	72 5/8" (1845)	58 1/2" (1486)	28.09 (2.61)
ATA6850	72 5/8" (1845)	62 1/2" (1588)	30.10 (2.80)
ATA7010	76 5/8" (1946)	15 5/8" (397)	6.64 (0.62)
ATA7020	76 5/8" (1946)	27 5/8" (702)	13.03 (1.21)
ATA7024	76 5/8" (1946)	31 5/8" (803)	15.15 (1.41)
ATA7028	76 5/8" (1946)	35 5/8" (905)	17.28 (1.61)
ATA7030	76 5/8" (1946)	39 5/8" (1006)	19.41 (1.80)
ATA7034	76 5/8" (1946)	43 5/8" (1108)	21.54 (2.00)
ATA7038	76 5/8" (1946)	47 5/8" (1210)	23.66 (2.20)
ATA7040	76 5/8" (1946)	51 5/8" (1311)	25.79 (2.40)

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m ²)
ATA7044	76 5/8" (1946)	55 5/8" (1413)	27.92 (2.59)
ATA7048	76 5/8" (1946)	59 5/8" (1514)	30.05 (2.79)
ATA7050	76 5/8" (1946)	63 5/8" (1616)	32.18 (2.99)
ATA7410	80 5/8" (2048)	15 1/16" (383)	6.76 (0.63)
ATA7420	80 5/8" (2048)	27 1/16" (687)	13.47 (1.25)
ATA7424	80 5/8" (2048)	31 1/16" (789)	15.71 (1.46)
ATA7428	80 5/8" (2048)	35 1/16" (891)	17.95 (1.67)
ATA7430	80 5/8" (2048)	39 1/16" (992)	20.19 (1.88)
ATA7434	80 5/8" (2048)	43 1/16" (1094)	22.43 (2.08)
ATA7438	80 5/8" (2048)	47 1/16" (1195)	24.66 (2.29)
ATA7440	80 5/8" (2048)	51 1/16" (1297)	26.90 (2.50)
ATA7444	80 5/8" (2048)	55 1/16" (1399)	29.14 (2.71)
ATA7448	80 5/8" (2048)	59 1/16" (1500)	31.38 (2.92)
ATA7450	80 5/8" (2048)	63 1/16" (1602)	33.62 (3.12)
ATA71110	87 13/16" (2230)	17" (432)	8.18 (0.76)
ATA71120	87 13/16" (2230)	29" (737)	15.49 (1.44)
ATA71124	87 13/16" (2230)	33" (838)	17.93 (1.67)
ATA71128	87 13/16" (2230)	37" (940)	20.37 (1.89)
ATA71130	87 13/16" (2230)	41" (1041)	22.81 (2.12)
ATA8010	88 5/8" (2251)	17 1/4" (438)	8.35 (0.78)
ATA8020	88 5/8" (2251)	29 1/4" (743)	15.74 (1.46)
ATA8024	88 5/8" (2251)	33 1/4" (845)	18.20 (1.69)
ATA8028	88 5/8" (2251)	37 1/4" (946)	20.66 (1.92)
ATA8030	88 5/8" (2251)	41 1/4" (1048)	23.12 (2.15)
ATA8034	88 5/8" (2251)	45 1/4" (1149)	25.58 (2.38)
ATA8038	88 5/8" (2251)	49 1/4" (1251)	28.04 (2.61)
ATA8040	88 5/8" (2251)	53 1/4" (1353)	30.50 (2.83)
ATA8044	88 5/8" (2251)	57 1/4" (1454)	32.96 (3.06)
ATA8048	88 5/8" (2251)	61 1/4" (1556)	35.42 (3.29)
ATA8050	88 5/8" (2251)	65 1/4" (1657)	37.89 (3.52)
ATA8810	96 5/8" (2454)	16 1/4" (413)	8.61 (0.80)
ATA8820	96 5/8" (2454)	28 1/4" (718)	16.66 (1.55)
ATA8824	96 5/8" (2454)	32 1/4" (819)	19.35 (1.80)
ATA8828	96 5/8" (2454)	36 1/4" (921)	22.03 (2.05)
ATA8830	96 5/8" (2454)	40 1/4" (1022)	24.71 (2.30)
ATA8834	96 5/8" (2454)	44 1/4" (1124)	27.40 (2.55)
ATA8838	96 5/8" (2454)	48 1/4" (1226)	30.08 (2.79)
ATA8840	96 5/8" (2454)	52 1/4" (1327)	32.76 (3.04)
ATA8844	96 5/8" (2454)	56 1/4" (1429)	35.45 (3.29)
ATA8848	96 5/8" (2454)	60 1/4" (1530)	38.13 (3.54)
ATA81110	99 13/16" (2535)	17 1/16" (433)	9.27 (0.86)
ATA81120	99 13/16" (2535)	29 1/16" (738)	17.59 (1.63)
ATA81124	99 13/16" (2535)	33 1/16" (840)	20.36 (1.89)
ATA81128	99 13/16" (2535)	37 1/16" (941)	23.13 (2.15)
ATA81130	99 13/16" (2535)	41 1/16" (1043)	25.90 (2.41)
ATA9410	104 5/8" (2657)	18 1/4" (464)	10.34 (0.96)
ATA9420	104 5/8" (2657)	30 1/4" (768)	19.05 (1.77)
ATA9424	104 5/8" (2657)	34 1/4" (870)	21.96 (2.04)
ATA9428	104 5/8" (2657)	38 1/4" (972)	24.86 (2.31)
ATA9430	104 5/8" (2657)	42 1/4" (1073)	27.77 (2.58)
ATA9434	104 5/8" (2657)	46 1/4" (1175)	30.67 (2.85)
ATA9438	104 5/8" (2657)	50 1/4" (1276)	33.58 (3.12)
ATA9440	104 5/8" (2657)	54 1/4" (1378)	36.49 (3.39)
ATA10010	112 5/8" (2861)	20 7/16" (519)	12.32 (1.14)
ATA10020	112 5/8" (2861)	32 7/16" (824)	21.70 (2.02)
ATA10024	112 5/8" (2861)	36 7/16" (926)	24.83 (2.31)
ATA10028	112 5/8" (2861)	40 7/16" (1027)	27.96 (2.60)
ATA10030	112 5/8" (2861)	44 7/16" (1129)	31.08 (2.89)
ATA10034	112 5/8" (2861)	48 7/16" (1230)	34.21 (3.18)
ATA10038	112 5/8" (2861)	52 7/16" (1332)	37.34 (3.47)

• Dimensions in parentheses are in millimeters or square meters.

Table of Direct-Set Springline™ Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Width Dimension	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-7 1/4" (794)	2'-9 1/4" (845)	2'-11 1/4" (895)	3'-1 1/4" (946)	3'-3 1/4" (997)
Minimum Rough Opening	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-6" (762)	2'-8" (813)	2'-10" (864)	3'-0" (914)	3'-2" (965)	3'-4" (1016)
Unobstructed Glass	15 1/4" (387)	19 1/4" (489)	23 1/4" (591)	25 1/4" (641)	27 1/4" (692)	29 1/4" (743)	31 1/4" (794)	33 1/4" (845)	35 1/4" (895)

CUSTOM SIZES AVAILABLE											
Window height shown in table	Radius	9 5/8" (244)	11 5/8" (295)	13 5/8" (346)	14 5/8" (371)	15 5/8" (397)	16 5/8" (422)	17 5/8" (448)	18 5/8" (473)	19 5/8" (498)	
Minimum Rough Opening = window height + 3/4" (19)	Chord Height	9 5/8" (244)	11 5/8" (295)	13 5/8" (346)	14 5/8" (371)	15 5/8" (397)	16 5/8" (422)	17 5/8" (448)	18 5/8" (473)	19 5/8" (498)	
	Shoulder Height	6 1/4" (159)	1'-3 7/8" (403)	1'-5 7/8" (454)	1'-7 7/8" (505)	1'-8 7/8" (530)	1'-9 7/8" (556)	1'-10 7/8" (581)	1'-11 7/8" (606)	2'-0 7/8" (632)	2'-1 7/8" (657)
		11 1/4" (286)	1'-8 7/8" (530)	1'-10 7/8" (581)	2'-0 7/8" (632)	2'-1 7/8" (657)	2'-2 7/8" (683)	2'-3 7/8" (708)	2'-4 7/8" (733)	2'-5 7/8" (759)	2'-6 7/8" (784)
		23 1/4" (591)	2'-8 7/8" (835)	2'-10 7/8" (886)	3'-0 7/8" (937)	3'-1 7/8" (962)	3'-2 7/8" (987)	3'-3 7/8" (1013)	3'-4 7/8" (1038)	3'-5 7/8" (1064)	3'-6 7/8" (1089)
		27 1/4" (692)	3'-0 7/8" (937)	3'-2 7/8" (987)	3'-4 7/8" (1038)	3'-5 7/8" (1064)	3'-6 7/8" (1089)	3'-7 7/8" (1114)	3'-8 7/8" (1140)	3'-9 7/8" (1165)	3'-10 7/8" (1191)
		31 1/4" (794)	3'-4 7/8" (1038)	3'-6 7/8" (1089)	3'-8 7/8" (1140)	3'-9 7/8" (1165)	3'-10 7/8" (1191)	3'-11 7/8" (1216)	4'-0 7/8" (1241)	4'-1 7/8" (1267)	4'-2 7/8" (1292)
		35 1/4" (895)	3'-8 7/8" (1140)	3'-10 7/8" (1191)	4'-0 7/8" (1241)	4'-1 7/8" (1267)	4'-2 7/8" (1292)	4'-3 7/8" (1318)	4'-4 7/8" (1343)	4'-5 7/8" (1368)	4'-6 7/8" (1394)
		39 1/4" (997)	4'-0 7/8" (1241)	4'-2 7/8" (1292)	4'-4 7/8" (1343)	4'-5 7/8" (1368)	4'-6 7/8" (1394)	4'-7 7/8" (1419)	4'-8 7/8" (1445)	4'-9 7/8" (1470)	4'-10 7/8" (1495)
		43 1/4" (1099)	4'-4 7/8" (1343)	4'-6 7/8" (1394)	4'-8 7/8" (1445)	4'-9 7/8" (1470)	4'-10 7/8" (1495)	4'-11 7/8" (1521)	5'-0 7/8" (1546)	5'-1 7/8" (1572)	5'-2 7/8" (1597)
			ATSD1807	ATSD2007	ATSD2407	ATSD2607	ATSD2807	ATSD21007	ATSD3007	ATSD3207	ATSD3407
	ATSD1810	ATSD2010	ATSD2410	ATSD2610	ATSD2810	ATSD21010	ATSD3010	ATSD3210	ATSD3410		
	ATSD1820	ATSD2020	ATSD2420	ATSD2620	ATSD2820	ATSD21020	ATSD3020	ATSD3220	ATSD3420		
	ATSD1824	ATSD2024	ATSD2424	ATSD2624	ATSD2824	ATSD21024	ATSD3024	ATSD3224	ATSD3424		
	ATSD1828	ATSD2028	ATSD2428	ATSD2628	ATSD2828	ATSD21028	ATSD3028	ATSD3228	ATSD3428		
	ATSD1830	ATSD2030	ATSD2430	ATSD2630	ATSD2830	ATSD21030	ATSD3030	ATSD3230	ATSD3430		
	ATSD1834	ATSD2034	ATSD2434	ATSD2634	ATSD2834	ATSD21034	ATSD3034	ATSD3234	ATSD3434*		
	ATSD1838	ATSD2038	ATSD2438	ATSD2638	ATSD2838	ATSD21038	ATSD3038	ATSD3238*	ATSD3438*		

* "Window Dimension" always refers to outside frame to frame dimension.

• "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.

• Dimensions in parentheses are in millimeters.

*Tempered laminated glass required. Some visual distortion may occur.

Notes on page 87 also apply to these pages. Springline™ sizes on pages 82-88.

3'-7 1/4" (1099)	3'-11 1/4" (1200)	4'-3 1/4" (1302)	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	5'-11 1/4" (1810)
3'-8" (1118)	4'-0" (1219)	4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
39 1/4" (997)	43 1/4" (1099)	47 1/4" (1200)	51 1/4" (1302)	55 1/4" (1403)	59 1/4" (1505)	63 1/4" (1607)	67 1/4" (1708)
21 5/8" (549)	23 5/8" (600)	25 5/8" (651)	27 5/8" (702)	29 5/8" (752)	31 5/8" (803)	33 5/8" (854)	35 5/8" (905)
21 5/8" (549)	23 5/8" (600)	25 5/8" (651)	27 5/8" (702)	29 5/8" (752)	31 5/8" (803)	33 5/8" (854)	35 5/8" (905)
2'-3 7/8" (708)	2'-5 7/8" (759)	2'-7 7/8" (810)	2'-9 7/8" (860)	2'-11 7/8" (911)	3'-1 7/8" (962)	3'-3 7/8" (1013)	3'-5 7/8" (1064)
ATSD3807	ATSD4007	ATSD4407	ATSD4807	ATSD5007	ATSD5407*	ATSD5807*	ATSD6007*
2'-8 7/8" (835)	2'-10 7/8" (886)	3'-0 7/8" (937)	3'-2 7/8" (987)	3'-4 7/8" (1038)	3'-6 7/8" (1089)	3'-8 7/8" (1140)	3'-10 7/8" (1191)
ATSD3810	ATSD4010	ATSD4410	ATSD4810	ATSD5010*	ATSD5410*	ATSD5810*	ATSD6010*
3'-8 7/8" (1140)	3'-10 7/8" (1191)	4'-0 7/8" (1241)	4'-2 7/8" (1292)	4'-4 7/8" (1343)	4'-6 7/8" (1394)	4'-8 7/8" (1445)	4'-10 7/8" (1495)
ATSD3820	ATSD4020	ATSD4420*	ATSD4820*	ATSD5020*	ATSD5420*	ATSD5820*	ATSD6020*
4'-0 7/8" (1241)	4'-2 7/8" (1292)	4'-4 7/8" (1343)	4'-6 7/8" (1394)	4'-8 7/8" (1445)	4'-10 7/8" (1495)	5'-0 7/8" (1546)	5'-2 7/8" (1597)
ATSD3824	ATSD4024*	ATSD4424*	ATSD4824*	ATSD5024*	ATSD5424*	ATSD5824*	ATSD6024*
4'-4 7/8" (1343)	4'-6 7/8" (1394)	4'-8 7/8" (1445)	4'-10 7/8" (1495)	5'-0 7/8" (1546)	5'-2 7/8" (1597)	5'-4 7/8" (1648)	5'-6 7/8" (1699)
ATSD3828*	ATSD4028*	ATSD4428*	ATSD4828*	ATSD5028*	ATSD5428*	ATSD5828*	ATSD6028*
4'-8 7/8" (1445)	4'-10 7/8" (1495)	5'-0 7/8" (1546)	5'-2 7/8" (1597)	5'-4 7/8" (1648)	5'-6 7/8" (1699)	5'-8 7/8" (1749)	5'-10 7/8" (1800)
ATSD3830*	ATSD4030*	ATSD4430*	ATSD4830*	ATSD5030*	ATSD5430*	ATSD5830*	ATSD6030*
5'-0 7/8" (1546)	5'-2 7/8" (1597)	5'-4 7/8" (1648)	5'-6 7/8" (1699)	5'-8 7/8" (1749)	5'-10 7/8" (1800)	6'-0 7/8" (1851)	6'-2 7/8" (1902)
ATSD3834*	ATSD4034*	ATSD4434*	ATSD4834*	ATSD5034*	ATSD5434*	ATSD5834*	ATSD6034*
5'-4 7/8" (1648)	5'-6 7/8" (1699)	5'-8 7/8" (1749)	5'-10 7/8" (1800)	6'-0 7/8" (1851)	6'-2 7/8" (1902)	6'-4 7/8" (1953)	6'-6 7/8" (2003)
ATSD3838*	ATSD4038*	ATSD4438*	ATSD4838*	ATSD5038*	ATSD5438*	ATSD5838*	ATSD6038*

continued on next page

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.
- Tempered laminated glass required. Some visual distortion may occur.

Table of Direct-Set Springline™ Window Sizes (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Width Dimension	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-7 1/4" (794)	2'-9 1/4" (845)	2'-11 1/4" (895)	3'-1 1/4" (946)	3'-3 1/4" (997)
Minimum Rough Opening	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-6" (762)	2'-8" (813)	2'-10" (864)	3'-0" (914)	3'-2" (965)	3'-4" (1016)
Unobstructed Glass	15 1/4" (387)	19 1/4" (489)	23 1/4" (591)	25 1/4" (641)	27 1/4" (692)	29 1/4" (743)	31 1/4" (794)	33 1/4" (845)	35 1/4" (895)

CUSTOM SIZES AVAILABLE

Radius	9 5/8" (244)	11 5/8" (295)	13 5/8" (346)	14 5/8" (371)	15 5/8" (397)	16 5/8" (422)	17 5/8" (448)	18 5/8" (473)	19 5/8" (498)
Chord Height	9 5/8" (244)	11 5/8" (295)	13 5/8" (346)	14 5/8" (371)	15 5/8" (397)	16 5/8" (422)	17 5/8" (448)	18 5/8" (473)	19 5/8" (498)
Shoulder Height	47 1/4" (1200)	4'-10 7/8" (1495)	5'-0 7/8" (1546)	5'-1 7/8" (1572)	5'-2 7/8" (1597)	5'-3 7/8" (1622)	5'-4 7/8" (1648)	5'-5 7/8" (1673)	5'-6 7/8" (1699)
	ATSD1840	ATSD2040	ATSD2440	ATSD2640	ATSD2840	ATSD21040	ATSD3040*	ATSD3240*	ATSD3440*
	51 1/4" (1302)	5'-2 7/8" (1597)	5'-4 7/8" (1648)	5'-5 7/8" (1673)	5'-6 7/8" (1699)	5'-7 7/8" (1724)	5'-8 7/8" (1749)	5'-9 7/8" (1775)	5'-10 7/8" (1800)
	ATSD1844	ATSD2044	ATSD2444	ATSD2644	ATSD2844	ATSD21044*	ATSD3044*	ATSD3244*	ATSD3444*
	55 1/4" (1403)	5'-6 7/8" (1699)	5'-8 7/8" (1749)	5'-9 7/8" (1775)	5'-10 7/8" (1800)	5'-11 7/8" (1826)	6'-0 7/8" (1851)	6'-1 7/8" (1876)	6'-2 7/8" (1902)
	ATSD1848	ATSD2048	ATSD2448	ATSD2648	ATSD2848*	ATSD21048*	ATSD3048*	ATSD3248*	ATSD3448*
	59 1/4" (1505)	5'-10 7/8" (1800)	6'-0 7/8" (1851)	6'-1 7/8" (1876)	6'-2 7/8" (1902)	6'-3 7/8" (1927)	6'-4 7/8" (1953)	6'-5 7/8" (1978)	6'-6 7/8" (2003)
	ATSD1850	ATSD2050	ATSD2450	ATSD2650	ATSD2850*	ATSD21050*	ATSD3050*	ATSD3250*	ATSD3450*
	63 1/4" (1607)	6'-2 7/8" (1902)	6'-4 7/8" (1953)	6'-5 7/8" (1978)	6'-6 7/8" (2003)	6'-7 7/8" (2029)	6'-8 7/8" (2054)	6'-9 7/8" (2080)	6'-10 7/8" (2105)
	ATSD1854	ATSD2054	ATSD2454	ATSD2654*	ATSD2854*	ATSD21054*	ATSD3054*	ATSD3254*	ATSD3454*
	67 1/4" (1708)	6'-6 7/8" (2003)	6'-8 7/8" (2054)	6'-9 7/8" (2080)	6'-10 7/8" (2105)	6'-11 7/8" (2130)	7'-0 7/8" (2156)	7'-1 7/8" (2181)	7'-2 7/8" (2207)
	ATSD1858	ATSD2058	ATSD2458*	ATSD2658*	ATSD2858*	ATSD21058*	ATSD3058*	ATSD3258*	ATSD3458*

Minimum Rough Opening = window height + 3/4" (19)

Unobstructed Glass = window height - 4" (102)

CUSTOM SIZES AVAILABLE

* "Window Dimension" always refers to outside frame to frame dimension.

• "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.

• Dimensions in parentheses are in millimeters.

*Tempered laminated glass required. Some visual distortion may occur.

Notes on page 87 also apply to these pages. Springline™ sizes on pages 82-88.

3'-7 1/4" (1099)	3'-11 1/4" (1200)	4'-3 1/4" (1302)	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	5'-11 1/4" (1810)
3'-8" (1118)	4'-0" (1219)	4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
39 1/4" (997)	43 1/4" (1099)	47 1/4" (1200)	51 1/4" (1302)	55 1/4" (1403)	59 1/4" (1505)	63 1/4" (1607)	67 1/4" (1708)
21 5/8" (549)	23 5/8" (600)	25 5/8" (651)	27 5/8" (702)	29 5/8" (752)	31 5/8" (803)	33 5/8" (854)	35 5/8" (905)
21 5/8" (549)	23 5/8" (600)	25 5/8" (651)	27 5/8" (702)	29 5/8" (752)	31 5/8" (803)	33 5/8" (854)	35 5/8" (905)
5'-8 7/8" (1749)	5'-10 7/8" (1800)	6'-0 7/8" (1851)	6'-2 7/8" (1902)	6'-4 7/8" (1953)	6'-6 7/8" (2003)	6'-8 7/8" (2054)	6'-10 7/8" (2105)
ATSD3840*	ATSD4040*	ATSD4440*	ATSD4840*	ATSD5040*	ATSD5440*	ATSD5840*	ATSD6040*
6'-0 7/8" (1851)	6'-2 7/8" (1902)	6'-4 7/8" (1953)	6'-6 7/8" (2003)	6'-8 7/8" (2054)	6'-10 7/8" (2105)	7'-0 7/8" (2156)	7'-2 7/8" (2207)
ATSD3844*	ATSD4044*	ATSD4444*	ATSD4844*	ATSD5044*	ATSD5444*	ATSD5844*	ATSD6044*
6'-4 7/8" (1953)	6'-6 7/8" (2003)	6'-8 7/8" (2054)	6'-10 7/8" (2105)	7'-0 7/8" (2156)	7'-2 7/8" (2207)	7'-4 7/8" (2257)	7'-6 7/8" (2308)
ATSD3848*	ATSD4048*	ATSD4448*	ATSD4848*	ATSD5048*	ATSD5448*	ATSD5848*	ATSD6048*
6'-8 7/8" (2054)	6'-10 7/8" (2105)	7'-0 7/8" (2156)	7'-2 7/8" (2207)	7'-4 7/8" (2257)	7'-6 7/8" (2308)	7'-8 7/8" (2359)	7'-10 7/8" (2410)
ATSD3850*	ATSD4050*	ATSD4450*	ATSD4850*	ATSD5050*	ATSD5450*	ATSD5850*	ATSD6050*
7'-0 7/8" (2156)	7'-2 7/8" (2207)	7'-4 7/8" (2257)	7'-6 7/8" (2308)	7'-8 7/8" (2359)	7'-10 7/8" (2410)	8'-0 7/8" (2461)	8'-2 7/8" (2511)
ATSD3854*	ATSD4054*	ATSD4454*	ATSD4854*	ATSD5054*	ATSD5454*	ATSD5854*	ATSD6054*
7'-4 7/8" (2257)	7'-6 7/8" (2308)	7'-8 7/8" (2359)	7'-10 7/8" (2410)	8'-0 7/8" (2461)	8'-2 7/8" (2511)	8'-4 7/8" (2562)	
ATSD3858*	ATSD4058*	ATSD4458*	ATSD4858*	ATSD5058*	ATSD5458*	ATSD5858*	

continued on next page

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.
- Tempered laminated glass required. Some visual distortion may occur.

Table of Direct-Set Springline™ Window Sizes (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Width Dimension	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-7 1/4" (794)	2'-9 1/4" (845)	2'-11 1/4" (895)	3'-1 1/4" (946)	3'-3 1/4" (997)
Minimum Rough Opening	1'-8" (508)<i>(continued)</i>	2'-0" (610)	2'-4" (711)	2'-6" (762)	2'-8" (813)	2'-10" (864)	3'-0" (914)	3'-2" (965)	3'-4" (1016)
Unobstructed Glass	15 1/4" (387)	19 1/4" (489)	23 1/4" (591)	25 1/4" (641)	27 1/4" (692)	29 1/4" (743)	31 1/4" (794)	33 1/4" (845)	35 1/4" (895)

CUSTOM SIZES AVAILABLE

Radius

9 5/8" (244)

11 5/8" (295)

13 5/8" (346)

14 5/8" (371)

15 5/8" (397)

16 5/8" (422)

17 5/8" (448)

18 5/8" (473)

19 5/8" (498)

Chord Height

9 5/8" (244)

11 5/8" (295)

13 5/8" (346)

14 5/8" (371)

15 5/8" (397)

16 5/8" (422)

17 5/8" (448)

18 5/8" (473)

19 5/8" (498)

Shoulder Height

71 1/4" (1810)

6'-8 7/8" (2054)

6'-10 7/8" (2105)

7'-0 7/8" (2156)

7'-1 7/8" (2181)

7'-2 7/8" (2207)

7'-3 7/8" (2232)

7'-4 7/8" (2257)

7'-5 7/8" (2283)

7'-6 7/8" (2308)

75 1/4" (1911)

7'-0 7/8" (2156)

7'-2 7/8" (2207)

7'-4 7/8" (2257)

7'-5 7/8" (2283)

7'-6 7/8" (2308)

7'-7 7/8" (2334)

7'-8 7/8" (2359)

7'-9 7/8" (2384)

7'-10 7/8" (2410)

79 1/4" (2013)

7'-4 7/8" (2257)

7'-6 7/8" (2308)

7'-8 7/8" (2359)

7'-9 7/8" (2384)

7'-10 7/8" (2410)

7'-11 7/8" (2435)

8'-0 7/8" (2461)

8'-1 7/8" (2486)

8'-2 7/8" (2511)

87 1/4" (2216)

8'-0 7/8" (2461)

8'-2 7/8" (2511)

8'-4 7/8" (2562)

8'-5 7/8" (2588)

8'-6 7/8" (2613)

8'-7 7/8" (2638)

8'-8 7/8" (2664)

8'-9 7/8" (2689)

8'-10 7/8" (2715)

95 1/4" (2419)

8'-8 7/8" (2664)

8'-10 7/8" (2715)

9'-0 7/8" (2765)

9'-1 7/8" (2791)

9'-2 7/8" (2816)

9'-3 7/8" (2842)

9'-4 7/8" (2867)

9'-5 7/8" (2892)

9'-6 7/8" (2918)

ATSD1860

ATSD2060

ATSD2460*

ATSD2660*

ATSD2860*

ATSD21060*

ATSD3060*

ATSD3260*

ATSD3460*

ATSD1864

ATSD2064

ATSD2464*

ATSD2664*

ATSD2864*

ATSD21064*

ATSD3064*

ATSD3264*

ATSD3464*

ATSD1868

ATSD2068

ATSD2468*

ATSD2668*

ATSD2868*

ATSD21068*

ATSD3068*

ATSD3268*

ATSD3468*

ATSD1874

ATSD2074*

ATSD2474*

ATSD2674*

ATSD2874*

ATSD21074*

ATSD3074*

ATSD3274*

ATSD3474*

ATSD1880

ATSD2080*

ATSD2480*

ATSD2680*

ATSD2880*

ATSD21080*

ATSD3080*

ATSD3280*

ATSD3480*

Minimum Rough Opening = window height + 3/4" (19)

Unobstructed Glass = window height - 4" (102)

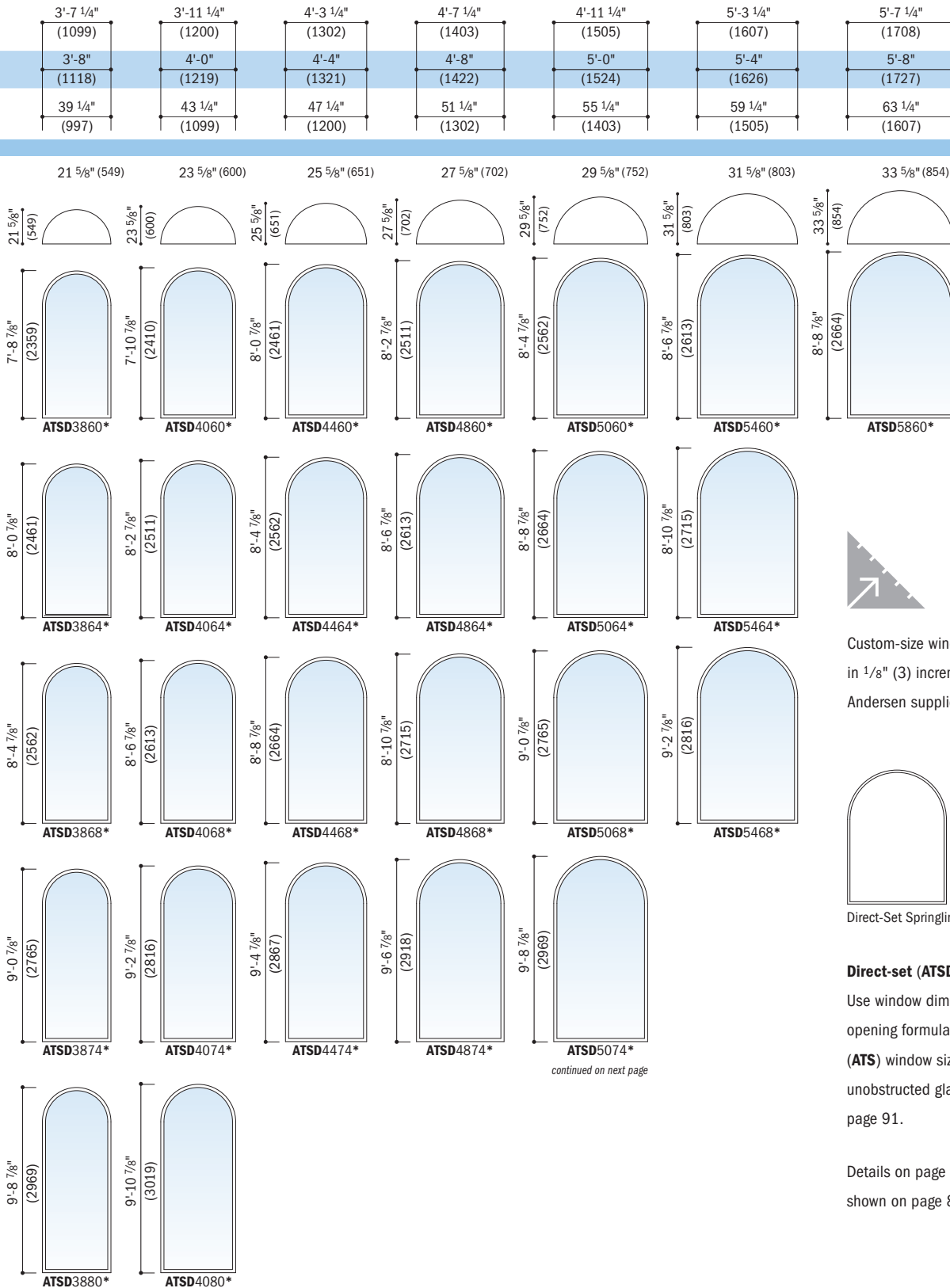
* "Window Dimension" always refers to outside frame to frame dimension.

* "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.

• Dimensions in parentheses are in millimeters.

*Tempered laminated glass required. Some visual distortion may occur.

Notes on this page also apply to previous page. Springline™ sizes on pages 82-88.



Direct-set (ATSD) window sizes shown.

Use window dimensions and rough opening formula shown for sash-set (ATS) window sizes. For sash-set unobstructed glass dimensions see page 91.

Details on page 93. Grille patterns shown on page 89.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.
- Tempered laminated glass required. Some visual distortion may occur.

Table of Direct-Set Springline™ Window Sizes (continued)

Notes on page 87 also apply to this page. Springline™ sizes on pages 82-88.

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Width Dimension	6'-3 1/4" (1911)	6'-7 1/4" (2013)	6'-11 1/4" (2115)	7'-3 1/4" (2216)	7'-11 1/4" (2419)
Minimum Rough Opening	6'-4" (1930)	6'-8" (2032)	7'-0" (2134)	7'-4" (2235)	8'-0" (2438)
Unobstructed Glass	71 1/4" (1810)	75 1/4" (1911)	79 1/4" (2013)	83 1/4" (2115)	91 1/4" (2318)

Window height shown in table

Minimum Rough Opening = window height + 3/4" (19)

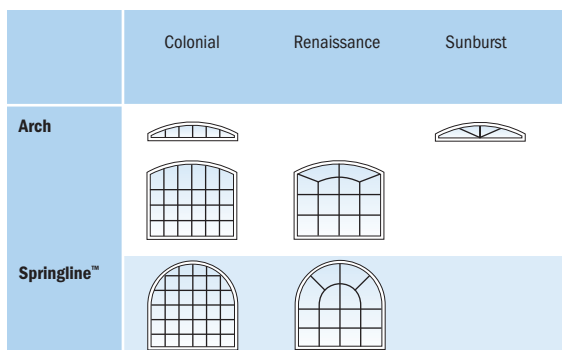
Unobstructed Glass = window height - 4" (102)

CUSTOM SIZES AVAILABLE

Radius	37 5/8" (956)	39 5/8" (1006)	41 5/8" (1057)	43 5/8" (1108)	47 5/8" (1210)
Chord Height	37 5/8" (956)	39 5/8" (1006)	41 5/8" (1057)	43 5/8" (1108)	47 5/8" (1210)
Shoulder Height	6 1/4" (159)	6 1/4" (159)	6 1/4" (159)	6 1/4" (159)	6 1/4" (159)
	3'-7 7/8" (1114)	3'-9 7/8" (1165)	3'-11 7/8" (1216)	4'-1 7/8" (1267)	4'-5 7/8" (1368)
	ATSD6407*	ATSD6807*	ATSD7007*	ATSD7407*	ATSD8007*
	4'-0 7/8" (1241)	4'-2 7/8" (1292)	4'-4 7/8" (1343)	4'-6 7/8" (1394)	4'-10 7/8" (1495)
	ATSD6410*	ATSD6810*	ATSD7010*	ATSD7410*	ATSD8010*
	5'-0 7/8" (1546)	5'-2 7/8" (1597)	5'-4 7/8" (1648)	5'-6 7/8" (1699)	5'-10 7/8" (1800)
	ATSD6420*	ATSD6820*	ATSD7020*	ATSD7420*	ATSD8020*
	5'-4 7/8" (1648)	5'-6 7/8" (1699)	5'-8 7/8" (1749)	5'-10 7/8" (1800)	
	ATSD6424*	ATSD6824*	ATSD7024*	ATSD7424*	
	5'-8 7/8" (1749)	5'-10 7/8" (1800)			
	ATSD6428*	ATSD6828*			

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.
- Tempered laminated glass required. Some visual distortion may occur.

Grille Patterns

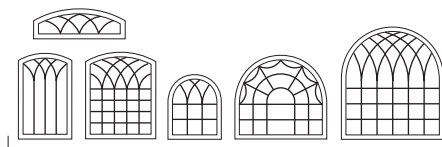


• Andersen® Finelight™ grilles available in 3/4" (19) profile only.

Number of lights and overall pattern varies with window size.

Patterns are not available in all configurations.

Specified equal light and custom patterns are also available. For more information on divided light see pages 18-19 or visit andersenwindows.com/grilles.



Custom Pattern Examples

Direct-Set Springline™ Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m²)
ATSD1807	1.08 (0.10)
ATSD1810	1.61 (0.15)
ATSD1820	2.88 (0.27)
ATSD1824	3.31 (0.31)
ATSD1828	3.73 (0.35)
ATSD1830	4.16 (0.39)
ATSD1834	4.58 (0.43)
ATSD1838	5.00 (0.46)
ATSD1840	5.43 (0.50)
ATSD1844	5.85 (0.54)
ATSD1848	6.27 (0.58)
ATSD1850	6.70 (0.62)
ATSD1854	7.12 (0.66)
ATSD1858	7.54 (0.70)
ATSD1860	7.97 (0.74)
ATSD1864	8.39 (0.78)
ATSD1868	8.82 (0.82)
ATSD1874	9.66 (0.90)
ATSD1880	10.51 (0.98)
ATSD2007	1.58 (0.15)
ATSD2010	2.25 (0.21)
ATSD2020	3.85 (0.36)
ATSD2024	4.39 (0.41)
ATSD2028	4.92 (0.46)
ATSD2030	5.46 (0.51)
ATSD2034	5.99 (0.56)
ATSD2038	6.52 (0.61)
ATSD2040	7.06 (0.66)
ATSD2044	7.59 (0.71)
ATSD2048	8.13 (0.76)
ATSD2050	8.66 (0.80)
ATSD2054	9.20 (0.85)
ATSD2058	9.73 (0.90)
ATSD2060	10.27 (0.95)
ATSD2064	10.80 (1.00)
ATSD2068	11.34 (1.05)
ATSD2074	12.41 (1.15)
ATSD2080	13.48 (1.25)

Window Number	Glass Area Sq. Ft./ (m²)
ATSD2407	2.16 (0.20)
ATSD2410	2.97 (0.28)
ATSD2420	4.91 (0.46)
ATSD2424	5.55 (0.52)
ATSD2428	6.20 (0.58)
ATSD2430	6.84 (0.64)
ATSD2434	7.49 (0.70)
ATSD2438	8.13 (0.76)
ATSD2440	8.78 (0.82)
ATSD2444	9.43 (0.88)
ATSD2448	10.07 (0.94)
ATSD2450	10.72 (1.00)
ATSD2454	11.36 (1.06)
ATSD2458	12.01 (1.12)
ATSD2460	12.66 (1.18)
ATSD2464	13.30 (1.24)
ATSD2468	13.95 (1.30)
ATSD2474	15.24 (1.42)
ATSD2480	16.53 (1.54)
ATSD2607	2.48 (0.23)
ATSD2610	3.36 (0.31)
ATSD2620	5.46 (0.51)
ATSD2624	6.17 (0.57)
ATSD2628	6.87 (0.64)
ATSD2630	7.57 (0.70)
ATSD2634	8.27 (0.77)
ATSD2638	8.97 (0.83)
ATSD2640	9.67 (0.90)
ATSD2644	10.37 (0.96)
ATSD2648	11.08 (1.03)
ATSD2650	11.78 (1.09)
ATSD2654	12.48 (1.16)
ATSD2658	13.18 (1.22)
ATSD2660	13.88 (1.29)
ATSD2664	14.58 (1.35)
ATSD2668	15.28 (1.42)
ATSD2674	16.69 (1.55)
ATSD2680	18.09 (1.68)

Window Number	Glass Area Sq. Ft./ (m²)
ATSD2807	2.83 (0.26)
ATSD2810	3.78 (0.35)
ATSD2820	6.05 (0.56)
ATSD2824	6.80 (0.63)
ATSD2828	7.56 (0.70)
ATSD2830	8.32 (0.77)
ATSD2834	9.07 (0.84)
ATSD2838	9.83 (0.91)
ATSD2840	10.59 (0.98)
ATSD2844	11.34 (1.05)
ATSD2848	12.10 (1.12)
ATSD2850	12.86 (1.19)
ATSD2854	13.62 (1.27)
ATSD2858	14.37 (1.34)
ATSD2860	15.13 (1.41)
ATSD2864	15.89 (1.48)
ATSD2868	16.64 (1.55)
ATSD2874	18.16 (1.69)
ATSD2880	19.67 (1.83)
ATSD21007	3.20 (0.30)
ATSD21010	4.21 (0.39)
ATSD21020	6.65 (0.62)
ATSD21024	7.46 (0.69)
ATSD21028	8.27 (0.77)
ATSD21030	9.09 (0.84)
ATSD21034	9.90 (0.92)
ATSD21038	10.71 (0.99)
ATSD21040	11.52 (1.07)
ATSD21044	12.34 (1.15)
ATSD21048	13.15 (1.22)
ATSD21050	13.96 (1.30)
ATSD21054	14.77 (1.37)
ATSD21058	15.59 (1.45)
ATSD21060	16.40 (1.52)
ATSD21064	17.21 (1.60)
ATSD21068	18.02 (1.67)
ATSD21074	19.65 (1.83)
ATSD21080	21.27 (1.98)

Window Number	Glass Area Sq. Ft./ (m²)
ATSD3007	3.59 (0.33)
ATSD3010	4.67 (0.43)
ATSD3020	7.27 (0.68)
ATSD3024	8.14 (0.76)
ATSD3028	9.01 (0.84)
ATSD3030	9.88 (0.92)
ATSD3034	10.75 (1.00)
ATSD3038	11.61 (1.08)
ATSD3040	12.48 (1.16)
ATSD3044	13.35 (1.24)
ATSD3048	14.22 (1.32)
ATSD3050	15.09 (1.40)
ATSD3054	15.96 (1.48)
ATSD3058	16.82 (1.56)
ATSD3060	17.69 (1.64)
ATSD3064	18.56 (1.72)
ATSD3068	19.43 (1.81)
ATSD3074	21.16 (1.97)
ATSD3080	22.90 (2.13)
ATSD3207	4.00 (0.37)
ATSD3210	5.15 (0.48)
ATSD3220	7.92 (0.74)
ATSD3224	8.85 (0.82)
ATSD3228	9.77 (0.91)
ATSD3230	10.69 (0.99)
ATSD3234	11.62 (1.08)
ATSD3238	12.54 (1.17)
ATSD3240	13.46 (1.25)
ATSD3244	14.39 (1.34)
ATSD3248	15.31 (1.42)
ATSD3250	16.23 (1.51)
ATSD3254	17.16 (1.59)
ATSD3258	18.08 (1.68)
ATSD3260	19.00 (1.77)
ATSD3264	19.93 (1.85)
ATSD3268	20.85 (1.94)
ATSD3274	22.70 (2.11)

• Dimensions in parentheses are in square meters.

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Direct-Set Springline™ Window Area Specifications *(continued)*

Window Number	Glass Area Sq. Ft./ (m²)	Window Number	Glass Area Sq. Ft./ (m²)	Window Number	Glass Area Sq. Ft./ (m²)
ATSD3280	24.55 (2.28)	ATSD4420	13.06 (1.21)	ATSD5440	28.19 (2.62)
ATSD3407	4.43 (0.41)	ATSD4424	14.37 (1.34)	ATSD5444	29.84 (2.77)
ATSD3410	5.65 (0.52)	ATSD4428	15.69 (1.46)	ATSD5448	31.48 (2.92)
ATSD3420	8.59 (0.80)	ATSD4430	17.00 (1.58)	ATSD5450	33.13 (3.08)
ATSD3424	9.57 (0.89)	ATSD4434	18.31 (1.70)	ATSD5454	34.78 (3.23)
ATSD3428	10.55 (0.98)	ATSD4438	19.62 (1.82)	ATSD5458	36.42 (3.38)
ATSD3430	11.53 (1.07)	ATSD4440	20.94 (1.95)	ATSD5460	38.07 (3.54)
ATSD3434	12.51 (1.16)	ATSD4444	22.25 (2.07)	ATSD5464	39.71 (3.69)
ATSD3438	13.49 (1.25)	ATSD4448	23.56 (2.19)	ATSD5468	41.36 (3.84)
ATSD3440	14.47 (1.34)	ATSD4450	24.87 (2.31)	ATSD5807	12.78 (1.19)
ATSD3444	15.44 (1.43)	ATSD4454	26.19 (2.43)	ATSD5810	14.97 (1.39)
ATSD3448	16.42 (1.53)	ATSD4458	27.50 (2.55)	ATSD5820	20.24 (1.88)
ATSD3450	17.40 (1.62)	ATSD4460	28.81 (2.68)	ATSD5824	22.00 (2.04)
ATSD3454	18.38 (1.71)	ATSD4464	30.12 (2.80)	ATSD5828	23.76 (2.21)
ATSD3458	19.36 (1.80)	ATSD4468	31.44 (2.92)	ATSD5830	25.51 (2.37)
ATSD3460	20.34 (1.89)	ATSD4474	34.06 (3.16)	ATSD5834	27.27 (2.53)
ATSD3464	21.32 (1.98)	ATSD4807	8.68 (0.81)	ATSD5838	29.03 (2.70)
ATSD3468	22.30 (2.07)	ATSD4810	10.45 (0.97)	ATSD5840	30.79 (2.86)
ATSD3474	24.26 (2.25)	ATSD4820	14.73 (1.37)	ATSD5844	32.54 (3.02)
ATSD3480	26.22 (2.44)	ATSD4824	16.15 (1.50)	ATSD5848	34.30 (3.19)
ATSD3807	5.36 (0.50)	ATSD4828	17.57 (1.63)	ATSD5850	36.06 (3.35)
ATSD3810	6.72 (0.62)	ATSD4830	19.00 (1.77)	ATSD5854	37.81 (3.51)
ATSD3820	9.99 (0.93)	ATSD4834	20.42 (1.90)	ATSD5858	39.57 (3.68)
ATSD3824	11.08 (1.03)	ATSD4838	21.84 (2.03)	ATSD5860	41.33 (3.84)
ATSD3828	12.17 (1.13)	ATSD4840	23.27 (2.16)	ATSD6007	14.32 (1.33)
ATSD3830	13.26 (1.23)	ATSD4844	24.69 (2.29)	ATSD6010	16.65 (1.55)
ATSD3834	14.35 (1.33)	ATSD4848	26.11 (2.43)	ATSD6020	22.26 (2.07)
ATSD3838	15.44 (1.43)	ATSD4850	27.54 (2.56)	ATSD6024	24.13 (2.24)
ATSD3840	16.53 (1.54)	ATSD4854	28.96 (2.69)	ATSD6028	25.99 (2.41)
ATSD3844	17.63 (1.64)	ATSD4858	30.39 (2.82)	ATSD6030	27.86 (2.59)
ATSD3848	18.72 (1.74)	ATSD4860	31.81 (2.96)	ATSD6034	29.73 (2.76)
ATSD3850	19.81 (1.84)	ATSD4864	33.23 (3.09)	ATSD6038	31.60 (2.94)
ATSD3854	20.90 (1.94)	ATSD4868	34.66 (3.22)	ATSD6040	33.47 (3.11)
ATSD3858	21.99 (2.04)	ATSD4874	37.50 (3.48)	ATSD6044	35.33 (3.28)
ATSD3860	23.08 (2.14)	ATSD5007	9.96 (0.93)	ATSD6048	37.20 (3.46)
ATSD3864	24.17 (2.25)	ATSD5010	11.87 (1.10)	ATSD6050	39.07 (3.63)
ATSD3868	25.26 (2.35)	ATSD5020	16.48 (1.53)	ATSD6054	40.94 (3.80)
ATSD3874	27.44 (2.55)	ATSD5024	18.01 (1.67)	ATSD6407	15.95 (1.48)
ATSD3880	29.62 (2.75)	ATSD5028	19.55 (1.82)	ATSD6410	18.42 (1.71)
ATSD4007	6.38 (0.59)	ATSD5030	21.08 (1.96)	ATSD6420	24.36 (2.26)
ATSD4010	7.88 (0.73)	ATSD5034	22.62 (2.10)	ATSD6424	26.34 (2.45)
ATSD4020	11.48 (1.07)	ATSD5038	24.15 (2.24)	ATSD6428	28.32 (2.63)
ATSD4024	12.68 (1.18)	ATSD5040	25.69 (2.39)	ATSD6807	17.66 (1.64)
ATSD4028	13.89 (1.29)	ATSD5044	27.22 (2.53)	ATSD6810	20.28 (1.88)
ATSD4030	15.09 (1.40)	ATSD5048	28.76 (2.67)	ATSD6820	26.55 (2.47)
ATSD4034	16.29 (1.51)	ATSD5050	30.29 (2.81)	ATSD6824	28.64 (2.66)
ATSD4038	17.49 (1.62)	ATSD5054	31.83 (2.96)	ATSD6828	30.73 (2.85)
ATSD4040	18.69 (1.74)	ATSD5058	33.36 (3.10)	ATSD7007	19.47 (1.81)
ATSD4044	19.89 (1.85)	ATSD5060	34.89 (3.24)	ATSD7010	22.22 (2.06)
ATSD4048	21.09 (1.96)	ATSD5064	36.43 (3.38)	ATSD7020	28.82 (2.68)
ATSD4050	22.30 (2.07)	ATSD5068	37.96 (3.53)	ATSD7024	31.02 (2.88)
ATSD4054	23.50 (2.18)	ATSD5074	41.03 (3.81)	ATSD7407	21.36 (1.98)
ATSD4058	24.70 (2.29)	ATSD5407	11.32 (1.05)	ATSD7410	24.25 (2.25)
ATSD4060	25.90 (2.41)	ATSD5410	13.38 (1.24)	ATSD7420	31.19 (2.90)
ATSD4064	27.10 (2.52)	ATSD5420	18.32 (1.70)	ATSD7424	33.50 (3.11)
ATSD4068	28.30 (2.63)	ATSD5424	19.96 (1.85)	ATSD8007	25.40 (2.36)
ATSD4074	30.71 (2.85)	ATSD5428	21.61 (2.01)	ATSD8010	28.57 (2.65)
ATSD4080	33.11 (3.08)	ATSD5430	23.25 (2.16)	ATSD8020	36.17 (3.36)
ATSD4407	7.48 (0.70)	ATSD5434	24.90 (2.31)		
ATSD4410	9.12 (0.85)	ATSD5438	26.55 (2.47)		

• Dimensions in parentheses are in square meters.

Sash-Set Springline™ Window Unobstructed Glass Dimensions and Area Specifications

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m ²)
ATS1807	12 5/8" (321)	9 1/4" (235)	0.69 (0.06)
ATS1810	12 5/8" (321)	14 1/4" (362)	1.13 (0.10)
ATS1820	12 5/8" (321)	26 1/4" (667)	2.17 (0.20)
ATS1824	12 5/8" (321)	30 1/4" (768)	2.52 (0.23)
ATS1828	12 5/8" (321)	34 1/4" (870)	2.87 (0.27)
ATS1830	12 5/8" (321)	38 1/4" (972)	3.22 (0.30)
ATS1834	12 5/8" (321)	42 1/4" (1073)	3.57 (0.33)
ATS1838	12 5/8" (321)	46 1/4" (1175)	3.92 (0.36)
ATS1840	12 5/8" (321)	50 1/4" (1276)	4.27 (0.40)
ATS1844	12 5/8" (321)	54 1/4" (1378)	4.62 (0.43)
ATS1848	12 5/8" (321)	58 1/4" (1480)	4.97 (0.46)
ATS1850	12 5/8" (321)	62 1/4" (1581)	5.32 (0.49)
ATS1854	12 5/8" (321)	66 1/4" (1683)	5.67 (0.53)
ATS1858	12 5/8" (321)	70 1/4" (1784)	6.02 (0.56)
ATS1860	12 5/8" (321)	74 1/4" (1886)	6.37 (0.59)
ATS1864	12 5/8" (321)	78 1/4" (1988)	6.72 (0.62)
ATS1868	12 5/8" (321)	82 1/4" (2089)	7.07 (0.66)
ATS1874	12 5/8" (321)	90 1/4" (2292)	7.77 (0.72)
ATS1880	12 5/8" (321)	98 1/4" (2496)	8.47 (0.79)
ATS2007	16 5/8" (422)	11 1/4" (286)	1.09 (0.10)
ATS2010	16 5/8" (422)	16 1/4" (413)	1.66 (0.15)
ATS2020	16 5/8" (422)	28 1/4" (718)	3.05 (0.28)
ATS2024	16 5/8" (422)	32 1/4" (819)	3.51 (0.33)
ATS2028	16 5/8" (422)	36 1/4" (921)	3.97 (0.37)
ATS2030	16 5/8" (422)	40 1/4" (1022)	4.43 (0.41)
ATS2034	16 5/8" (422)	44 1/4" (1124)	4.89 (0.45)
ATS2038	16 5/8" (422)	48 1/4" (1226)	5.35 (0.50)
ATS2040	16 5/8" (422)	52 1/4" (1327)	5.81 (0.54)
ATS2044	16 5/8" (422)	56 1/4" (1429)	6.27 (0.58)
ATS2048	16 5/8" (422)	60 1/4" (1530)	6.73 (0.63)
ATS2050	16 5/8" (422)	64 1/4" (1632)	7.20 (0.67)
ATS2054	16 5/8" (422)	68 1/4" (1734)	7.66 (0.71)
ATS2058	16 5/8" (422)	72 1/4" (1835)	8.12 (0.75)
ATS2060	16 5/8" (422)	76 1/4" (1937)	8.58 (0.80)
ATS2064	16 5/8" (422)	80 1/4" (2038)	9.04 (0.84)
ATS2068	16 5/8" (422)	84 1/4" (2140)	9.50 (0.88)
ATS2074	16 5/8" (422)	92 1/4" (2343)	10.42 (0.97)
ATS2080	16 5/8" (422)	100 1/4" (2546)	11.34 (1.05)
ATS2407	20 5/8" (524)	13 1/4" (337)	1.57 (0.15)
ATS2410	20 5/8" (524)	18 1/4" (464)	2.29 (0.21)
ATS2420	20 5/8" (524)	30 1/4" (768)	4.01 (0.37)
ATS2424	20 5/8" (524)	34 1/4" (870)	4.58 (0.43)
ATS2428	20 5/8" (524)	38 1/4" (972)	5.15 (0.48)
ATS2430	20 5/8" (524)	42 1/4" (1073)	5.72 (0.53)
ATS2434	20 5/8" (524)	46 1/4" (1175)	6.29 (0.58)
ATS2438	20 5/8" (524)	50 1/4" (1276)	6.87 (0.64)
ATS2440	20 5/8" (524)	54 1/4" (1378)	7.44 (0.69)
ATS2444	20 5/8" (524)	58 1/4" (1480)	8.01 (0.74)
ATS2448	20 5/8" (524)	62 1/4" (1581)	8.58 (0.80)
ATS2450	20 5/8" (524)	66 1/4" (1683)	9.15 (0.85)
ATS2454	20 5/8" (524)	70 1/4" (1784)	9.73 (0.90)
ATS2458	20 5/8" (524)	74 1/4" (1886)	10.30 (0.96)
ATS2460	20 5/8" (524)	78 1/4" (1988)	10.87 (1.01)
ATS2464	20 5/8" (524)	82 1/4" (2089)	11.44 (1.06)
ATS2468	20 5/8" (524)	86 1/4" (2191)	12.01 (1.12)
ATS2474	20 5/8" (524)	94 1/4" (2394)	13.16 (1.22)
ATS2480	20 5/8" (524)	102 1/4" (2597)	14.30 (1.33)
ATS2607	22 5/8" (575)	14 1/4" (362)	1.85 (0.17)
ATS2610	22 5/8" (575)	19 1/4" (489)	2.64 (0.25)
ATS2620	22 5/8" (575)	31 1/4" (794)	4.52 (0.42)

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m ²)
ATS2624	22 5/8" (575)	35 1/4" (895)	5.15 (0.48)
ATS2628	22 5/8" (575)	39 1/4" (997)	5.77 (0.54)
ATS2630	22 5/8" (575)	43 1/4" (1099)	6.40 (0.59)
ATS2634	22 5/8" (575)	47 1/4" (1200)	7.03 (0.65)
ATS2638	22 5/8" (575)	51 1/4" (1302)	7.66 (0.71)
ATS2640	22 5/8" (575)	55 1/4" (1403)	8.28 (0.77)
ATS2644	22 5/8" (575)	59 1/4" (1505)	8.91 (0.83)
ATS2648	22 5/8" (575)	63 1/4" (1607)	9.54 (0.89)
ATS2650	22 5/8" (575)	67 1/4" (1708)	10.17 (0.94)
ATS2654	22 5/8" (575)	71 1/4" (1810)	10.79 (1.00)
ATS2658	22 5/8" (575)	75 1/4" (1911)	11.42 (1.06)
ATS2660	22 5/8" (575)	79 1/4" (2013)	12.05 (1.12)
ATS2664	22 5/8" (575)	83 1/4" (2115)	12.68 (1.18)
ATS2668	22 5/8" (575)	87 1/4" (2216)	13.30 (1.24)
ATS2674	22 5/8" (575)	95 1/4" (2419)	14.56 (1.35)
ATS2680	22 5/8" (575)	103 1/4" (2623)	15.81 (1.47)
ATS2807	24 5/8" (625)	15 1/4" (387)	2.15 (0.20)
ATS2810	24 5/8" (625)	20 1/4" (514)	3.00 (0.28)
ATS2820	24 5/8" (625)	32 1/4" (819)	5.05 (0.47)
ATS2824	24 5/8" (625)	36 1/4" (921)	5.74 (0.53)
ATS2828	24 5/8" (625)	40 1/4" (1022)	6.42 (0.60)
ATS2830	24 5/8" (625)	44 1/4" (1124)	7.10 (0.66)
ATS2834	24 5/8" (625)	48 1/4" (1226)	7.78 (0.72)
ATS2838	24 5/8" (625)	52 1/4" (1327)	8.47 (0.79)
ATS2840	24 5/8" (625)	56 1/4" (1429)	9.15 (0.85)
ATS2844	24 5/8" (625)	60 1/4" (1530)	9.83 (0.91)
ATS2848	24 5/8" (625)	64 1/4" (1632)	10.52 (0.98)
ATS2850	24 5/8" (625)	68 1/4" (1734)	11.20 (1.04)
ATS2854	24 5/8" (625)	72 1/4" (1835)	11.88 (1.10)
ATS2858	24 5/8" (625)	76 1/4" (1937)	12.57 (1.17)
ATS2860	24 5/8" (625)	80 1/4" (2038)	13.25 (1.23)
ATS2864	24 5/8" (625)	84 1/4" (2140)	13.93 (1.29)
ATS2868	24 5/8" (625)	88 1/4" (2242)	14.62 (1.36)
ATS2874	24 5/8" (625)	96 1/4" (2445)	15.98 (1.48)
ATS2880	24 5/8" (625)	104 1/4" (2648)	17.35 (1.61)
ATS21007	26 5/8" (676)	16 1/4" (413)	2.47 (0.23)
ATS21010	26 5/8" (676)	21 1/4" (540)	3.39 (0.31)
ATS21020	26 5/8" (676)	33 1/4" (845)	5.61 (0.52)
ATS21024	26 5/8" (676)	37 1/4" (946)	6.35 (0.59)
ATS21028	26 5/8" (676)	41 1/4" (1048)	7.09 (0.66)
ATS21030	26 5/8" (676)	45 1/4" (1149)	7.82 (0.73)
ATS21034	26 5/8" (676)	49 1/4" (1251)	8.56 (0.80)
ATS21038	26 5/8" (676)	53 1/4" (1353)	9.30 (0.86)
ATS21040	26 5/8" (676)	57 1/4" (1454)	10.04 (0.93)
ATS21044	26 5/8" (676)	61 1/4" (1556)	10.78 (1.00)
ATS21048	26 5/8" (676)	65 1/4" (1657)	11.52 (1.07)
ATS21050	26 5/8" (676)	69 1/4" (1759)	12.26 (1.14)
ATS21054	26 5/8" (676)	73 1/4" (1861)	13.00 (1.21)
ATS21058	26 5/8" (676)	77 1/4" (1962)	13.73 (1.28)
ATS21060	26 5/8" (676)	81 1/4" (2064)	14.47 (1.34)
ATS21064	26 5/8" (676)	85 1/4" (2165)	15.21 (1.41)
ATS21068	26 5/8" (676)	89 1/4" (2267)	15.95 (1.48)
ATS21074	26 5/8" (676)	97 1/4" (2470)	17.43 (1.62)
ATS21080	26 5/8" (676)	105 1/4" (2673)	18.90 (1.76)
ATS3007	28 5/8" (727)	17 1/4" (438)	2.81 (0.26)
ATS3010	28 5/8" (727)	22 1/4" (565)	3.80 (0.35)
ATS3020	28 5/8" (727)	34 1/4" (870)	6.19 (0.58)
ATS3024	28 5/8" (727)	38 1/4" (972)	6.98 (0.65)
ATS3028	28 5/8" (727)	42 1/4" (1073)	7.77 (0.72)
ATS3030	28 5/8" (727)	46 1/4" (1175)	8.57 (0.80)

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m ²)
ATS3034	28 5/8" (727)	50 1/4" (1276)	9.36 (0.87)
ATS3038	28 5/8" (727)	54 1/4" (1378)	10.16 (0.94)
ATS3040	28 5/8" (727)	58 1/4" (1480)	10.95 (1.02)
ATS3044	28 5/8" (727)	62 1/4" (1581)	11.75 (1.09)
ATS3048	28 5/8" (727)	66 1/4" (1683)	12.54 (1.17)
ATS3050	28 5/8" (727)	70 1/4" (1784)	13.33 (1.24)
ATS3054	28 5/8" (727)	74 1/4" (1886)	14.13 (1.31)
ATS3058	28 5/8" (727)	78 1/4" (1988)	14.92 (1.39)
ATS3060	28 5/8" (727)	82 1/4" (2089)	15.72 (1.46)
ATS3064	28 5/8" (727)	86 1/4" (2191)	16.51 (1.53)
ATS3068	28 5/8" (727)	90 1/4" (2292)	17.31 (1.61)
ATS3074	28 5/8" (727)	98 1/4" (2496)	18.89 (1.75)
ATS3080	28 5/8" (727)	106 1/4" (2699)	20.48 (1.90)
ATS3207	30 5/8" (778)	18 1/4" (464)	3.17 (0.29)
ATS3210	30 5/8" (778)	23 1/4" (591)	4.24 (0.39)
ATS3220	30 5/8" (778)	35 1/4" (895)	6.79 (0.63)
ATS3224	30 5/8" (778)	39 1/4" (997)	7.63 (0.71)
ATS3228	30 5/8" (778)	43 1/4" (1099)	8.48 (0.79)
ATS3230	30 5/8" (778)	47 1/4" (1200)	9.33 (0.87)
ATS3234	30 5/8" (778)	51 1/4" (1302)	10.18 (0.95)
ATS3238	30 5/8" (778)	55 1/4" (1403)	11.03 (1.02)
ATS3240	30 5/8" (778)	59 1/4" (1505)	11.88 (1.10)
ATS3244	30 5/8" (778)	63 1/4" (1607)	12.73 (1.18)
ATS3248	30 5/8" (778)	67 1/4" (1708)	13.58 (1.26)
ATS3250	30 5/8" (778)	71 1/4" (1810)	14.43 (1.34)
ATS3254	30 5/8" (778)	75 1/4" (1911)	15.28 (1.42)
ATS3258	30 5/8" (778)	79 1/4" (2013)	16.13 (1.50)
ATS3260	30 5/8" (778)	83 1/4" (2115)	16.98 (1.58)
ATS3264	30 5/8" (778)	87 1/4" (2216)	17.83 (1.66)
ATS3268	30 5/8" (778)	91 1/4" (2318)	18.68 (1.74)
ATS3274	30 5/8" (778)	99 1/4" (2521)	20.38 (1.89)
ATS3280	30 5/8" (778)	107 1/4" (2724)	22.08 (2.05)
ATS3407	32 5/8" (829)	19 1/4" (489)	3.56 (0.33)
ATS3410	32 5/8" (829)	24 1/4" (616)	4.69 (0.44)
ATS3420	32 5/8" (829)	36 1/4" (921)	7.41 (0.69)
ATS3424	32 5/8" (829)	40 1/4" (1022)	8.31 (0.77)
ATS3428	32 5/8" (829)	44 1/4" (1124)	9.22 (0.86)
ATS3430	32 5/8" (829)	48 1/4" (1226)	10.12 (0.94)
ATS3434	32 5/8" (829)	52 1/4" (1327)	11.03 (1.02)
ATS3438	32 5/8" (829)	56 1/4" (1429)	11.93 (1.11)
ATS3440	32 5/8" (829)	60 1/4" (1530)	12.84 (1.19)
ATS3444	32 5/8" (829)	64 1/4" (1632)	13.74 (1.28)
ATS3448	32 5/8" (829)	68 1/4" (1734)	14.65 (1.36)
ATS3450	32 5/8" (829)	72 1/4" (1835)	15.55 (1.44)
ATS3454	32 5/8" (829)	76 1/4" (1937)	16.46 (1.53)
ATS3458	32 5/8" (829)	80 1/4" (2038)	17.37 (1.61)
ATS3460	32 5/8" (829)	84 1/4" (2140)	18.27 (1.70)
ATS3464	32 5/8" (829)	88 1/4" (2242)	19.18 (1.78)
ATS3468	32 5/8" (829)	92 1/4" (2343)	20.08 (1.87)
ATS3474	32 5/8" (829)	100 1/4" (2546)	21.89 (2.03)
ATS3480	32 5/8" (829)	108 1/4" (2750)	23.70 (2.20)
ATS3807	36 5/8" (930)	21 1/4" (540)	4.39 (0.41)
ATS3810	36 5/8" (930)	26 1/4" (667)	5.67 (0.53)
ATS3820	36 5/8" (930)	38 1/4" (972)	8.71 (0.81)
ATS3824	36 5/8" (930)	42 1/4" (1073)	9.73 (0.90)
ATS3828	36 5/8" (930)	46 1/4" (1175)	10.75 (1.00)
ATS3830	36 5/8" (930)	50 1/4" (1276)	11.76 (1.09)
ATS3834	36 5/8" (930)	54 1/4" (1378)	12.78 (1.19)
ATS3838	36 5/8" (930)	58 1/4" (1480)	13.80 (1.28)

• Dimensions in parentheses are in millimeters or square meters.

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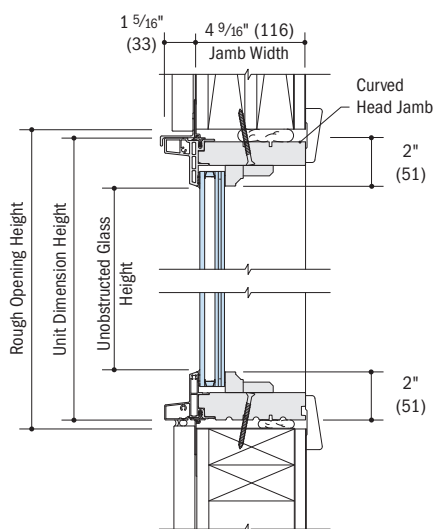
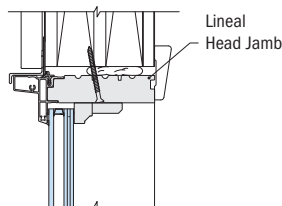
Sash-Set Springline™ Window Unobstructed Glass Dimensions and Area Specifications (continued)

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m²)	Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m²)	Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m²)
ATS3840	36 5/8" (930)	62 1/4" (1581)	14.81 (1.38)	ATS4858	48 5/8" (1235)	84 1/4" (2140)	26.66 (2.48)	ATS6030	64 5/8" (1641)	60 1/4" (1530)	23.90 (2.22)
ATS3844	36 5/8" (930)	66 1/4" (1683)	15.83 (1.47)	ATS4860	48 5/8" (1235)	88 1/4" (2242)	28.01 (2.60)	ATS6034	64 5/8" (1641)	64 1/4" (1632)	25.70 (2.39)
ATS3848	36 5/8" (930)	70 1/4" (1784)	16.85 (1.57)	ATS4864	48 5/8" (1235)	92 1/4" (2343)	29.36 (2.73)	ATS6038	64 5/8" (1641)	68 1/4" (1734)	27.49 (2.55)
ATS3850	36 5/8" (930)	74 1/4" (1886)	17.86 (1.66)	ATS4868	48 5/8" (1235)	96 1/4" (2445)	30.71 (2.85)	ATS6040	64 5/8" (1641)	72 1/4" (1835)	29.29 (2.72)
ATS3854	36 5/8" (930)	78 1/4" (1988)	18.88 (1.75)	ATS4874	48 5/8" (1235)	100 1/4" (2546)	32.06 (2.98)	ATS6044	64 5/8" (1641)	76 1/4" (1937)	31.08 (2.89)
ATS3858	36 5/8" (930)	82 1/4" (2089)	19.90 (1.85)	ATS5007	48 5/8" (1235)	108 1/4" (2750)	34.76 (3.23)	ATS6048	64 5/8" (1641)	80 1/4" (2038)	32.87 (3.05)
ATS3860	36 5/8" (930)	86 1/4" (2191)	20.91 (1.94)	ATS5010	52 5/8" (1337)	29 1/4" (743)	8.61 (0.80)	ATS6050	64 5/8" (1641)	84 1/4" (2140)	34.67 (3.22)
ATS3864	36 5/8" (930)	90 1/4" (2292)	21.93 (2.04)	ATS5020	52 5/8" (1337)	34 1/4" (870)	10.44 (0.97)	ATS6054	64 5/8" (1641)	88 1/4" (2242)	36.46 (3.39)
ATS3868	36 5/8" (930)	94 1/4" (2394)	22.95 (2.13)	ATS5024	52 5/8" (1337)	46 1/4" (1175)	14.82 (1.38)	ATS6407	64 5/8" (1641)	92 1/4" (2343)	38.26 (3.55)
ATS3874	36 5/8" (930)	102 1/4" (2597)	24.98 (2.32)	ATS5028	52 5/8" (1337)	50 1/4" (1276)	16.28 (1.51)	ATS6410	68 5/8" (1743)	37 1/4" (946)	14.22 (1.32)
ATS3880	36 5/8" (930)	110 1/4" (2800)	27.01 (2.51)	ATS5030	52 5/8" (1337)	54 1/4" (1378)	17.74 (1.65)	ATS6420	68 5/8" (1743)	42 1/4" (1073)	16.60 (1.54)
ATS4007	40 5/8" (1032)	23 1/4" (591)	5.32 (0.49)	ATS5034	52 5/8" (1337)	58 1/4" (1480)	19.20 (1.78)	ATS6424	68 5/8" (1743)	54 1/4" (1378)	22.32 (2.07)
ATS4010	40 5/8" (1032)	28 1/4" (718)	6.73 (0.63)	ATS5038	52 5/8" (1337)	62 1/4" (1581)	20.66 (1.92)	ATS6428	68 5/8" (1743)	58 1/4" (1480)	24.23 (2.25)
ATS4020	40 5/8" (1032)	40 1/4" (1022)	10.11 (0.94)	ATS5040	52 5/8" (1337)	66 1/4" (1683)	22.12 (2.06)	ATS6807	68 5/8" (1743)	62 1/4" (1581)	26.13 (2.43)
ATS4024	40 5/8" (1032)	44 1/4" (1124)	11.24 (1.04)	ATS5044	52 5/8" (1337)	70 1/4" (1784)	23.59 (2.19)	ATS6810	72 5/8" (1845)	39 1/4" (997)	15.84 (1.47)
ATS4028	40 5/8" (1032)	48 1/4" (1226)	12.37 (1.15)	ATS5048	52 5/8" (1337)	74 1/4" (1886)	25.05 (2.33)	ATS6820	72 5/8" (1845)	44 1/4" (1124)	18.37 (1.71)
ATS4030	40 5/8" (1032)	52 1/4" (1327)	13.49 (1.25)	ATS5050	52 5/8" (1337)	78 1/4" (1988)	26.51 (2.46)	ATS6824	72 5/8" (1845)	56 1/4" (1429)	24.41 (2.27)
ATS4034	40 5/8" (1032)	56 1/4" (1429)	14.62 (1.36)	ATS5054	52 5/8" (1337)	82 1/4" (2089)	27.97 (2.60)	ATS6828	72 5/8" (1845)	60 1/4" (1530)	26.43 (2.46)
ATS4038	40 5/8" (1032)	60 1/4" (1530)	15.75 (1.46)	ATS5058	52 5/8" (1337)	86 1/4" (2191)	29.43 (2.73)	ATS7007	72 5/8" (1845)	64 1/4" (1632)	28.45 (2.64)
ATS4040	40 5/8" (1032)	64 1/4" (1632)	16.88 (1.57)	ATS5060	52 5/8" (1337)	90 1/4" (2292)	30.89 (2.87)	ATS7010	76 5/8" (1946)	41 1/4" (1048)	17.55 (1.63)
ATS4044	40 5/8" (1032)	68 1/4" (1734)	18.00 (1.67)	ATS5064	52 5/8" (1337)	94 1/4" (2394)	32.35 (3.01)	ATS7020	76 5/8" (1946)	46 1/4" (1175)	20.21 (1.88)
ATS4048	40 5/8" (1032)	72 1/4" (1835)	19.13 (1.78)	ATS5068	52 5/8" (1337)	98 1/4" (2496)	33.81 (3.14)	ATS7024	76 5/8" (1946)	58 1/4" (1480)	26.60 (2.47)
ATS4050	40 5/8" (1032)	76 1/4" (1937)	20.26 (1.88)	ATS5074	52 5/8" (1337)	102 1/4" (2597)	35.27 (3.28)	ATS7407	76 5/8" (1946)	62 1/4" (1581)	28.72 (2.67)
ATS4054	40 5/8" (1032)	80 1/4" (2038)	21.39 (1.99)	ATS5407	52 5/8" (1337)	110 1/4" (2800)	38.19 (3.55)	ATS7410	80 5/8" (2048)	43 1/4" (1099)	19.35 (1.80)
ATS4058	40 5/8" (1032)	84 1/4" (2140)	22.51 (2.09)	ATS5410	56 5/8" (1438)	31 1/4" (794)	9.88 (0.92)	ATS7420	80 5/8" (2048)	48 1/4" (1226)	22.15 (2.06)
ATS4060	40 5/8" (1032)	88 1/4" (2242)	23.64 (2.20)	ATS5420	56 5/8" (1438)	36 1/4" (921)	11.85 (1.10)	ATS7424	80 5/8" (2048)	60 1/4" (1530)	28.86 (2.68)
ATS4064	40 5/8" (1032)	92 1/4" (2343)	24.77 (2.30)	ATS5424	56 5/8" (1438)	48 1/4" (1226)	16.56 (1.54)	ATS8007	80 5/8" (2048)	64 1/4" (1632)	31.10 (2.89)
ATS4068	40 5/8" (1032)	96 1/4" (2445)	25.90 (2.41)	ATS5428	56 5/8" (1438)	52 1/4" (1327)	18.14 (1.69)	ATS8010	80 5/8" (2048)	47 1/4" (1200)	23.20 (2.16)
ATS4074	40 5/8" (1032)	104 1/4" (2648)	28.15 (2.62)	ATS5430	56 5/8" (1438)	56 1/4" (1429)	19.71 (1.83)	ATS8020	80 5/8" (2048)	52 1/4" (1327)	26.28 (2.44)
ATS4080	40 5/8" (1032)	112 1/4" (2851)	30.41 (2.83)	ATS5434	56 5/8" (1438)	60 1/4" (1530)	21.28 (1.98)	ATS4854	80 5/8" (2048)	64 1/4" (1632)	33.66 (3.13)
ATS4407	44 5/8" (1133)	25 1/4" (641)	6.33 (0.59)	ATS5438	56 5/8" (1438)	64 1/4" (1632)	22.85 (2.12)				
ATS4410	44 5/8" (1133)	30 1/4" (768)	7.88 (0.73)	ATS5440	56 5/8" (1438)	68 1/4" (1734)	24.42 (2.27)				
ATS4420	44 5/8" (1133)	42 1/4" (1073)	11.59 (1.08)	ATS5444	56 5/8" (1438)	72 1/4" (1835)	26.00 (2.42)				
ATS4424	44 5/8" (1133)	46 1/4" (1175)	12.83 (1.19)	ATS5448	56 5/8" (1438)	76 1/4" (1937)	27.57 (2.56)				
ATS4428	44 5/8" (1133)	50 1/4" (1276)	14.07 (1.31)	ATS5450	56 5/8" (1438)	80 1/4" (2038)	29.14 (2.71)				
ATS4430	44 5/8" (1133)	54 1/4" (1378)	15.31 (1.42)	ATS5454	56 5/8" (1438)	84 1/4" (2140)	30.71 (2.85)				
ATS4434	44 5/8" (1133)	58 1/4" (1480)	16.55 (1.54)	ATS5458	56 5/8" (1438)	88 1/4" (2242)	32.28 (3.00)				
ATS4438	44 5/8" (1133)	62 1/4" (1581)	17.79 (1.65)	ATS5460	56 5/8" (1438)	92 1/4" (2343)	33.86 (3.15)				
ATS4440	44 5/8" (1133)	66 1/4" (1683)	19.02 (1.77)	ATS5464	56 5/8" (1438)	96 1/4" (2445)	35.43 (3.29)				
ATS4444	44 5/8" (1133)	70 1/4" (1784)	20.26 (1.88)	ATS5468	56 5/8" (1438)	100 1/4" (2546)	37.00 (3.44)				
ATS4448	44 5/8" (1133)	74 1/4" (1886)	21.50 (2.00)	ATS5807	56 5/8" (1438)	104 1/4" (2648)	38.57 (3.58)				
ATS4450	44 5/8" (1133)	78 1/4" (1988)	22.74 (2.11)	ATS5810	60 5/8" (1540)	33 1/4" (845)	11.24 (1.04)				
ATS4454	44 5/8" (1133)	82 1/4" (2089)	23.98 (2.23)	ATS5820	60 5/8" (1540)	38 1/4" (972)	13.35 (1.24)				
ATS4458	44 5/8" (1133)	86 1/4" (2191)	25.22 (2.34)	ATS5824	60 5/8" (1540)	50 1/4" (1276)	18.40 (1.71)				
ATS4460	44 5/8" (1133)	90 1/4" (2292)	26.46 (2.46)	ATS5828	60 5/8" (1540)	54 1/4" (1378)	20.08 (1.87)				
ATS4464	44 5/8" (1133)	94 1/4" (2394)	27.70 (2.57)	ATS5830	60 5/8" (1540)	58 1/4" (1480)	21.76 (2.02)				
ATS4468	44 5/8" (1133)	98 1/4" (2496)	28.93 (2.69)	ATS5834	60 5/8" (1540)	62 1/4" (1581)	23.45 (2.18)				
ATS4474	44 5/8" (1133)	106 1/4" (2699)	31.41 (2.92)	ATS5838	60 5/8" (1540)	66 1/4" (1683)	25.13 (2.33)				
ATS4807	48 5/8" (1235)	27 1/4" (692)	7.43 (0.69)	ATS5840	60 5/8" (1540)	70 1/4" (1784)	26.81 (2.49)				
ATS4810	48 5/8" (1235)	32 1/4" (819)	9.11 (0.85)	ATS5844	60 5/8" (1540)	74 1/4" (1886)	28.49 (2.65)				
ATS4820	48 5/8" (1235)	44 1/4" (1124)	13.16 (1.22)	ATS5848	60 5/8" (1540)	78 1/4" (1988)	30.18 (2.80)				
ATS4824	48 5/8" (1235)	48 1/4" (1226)	14.51 (1.35)	ATS5850	60 5/8" (1540)	82 1/4" (2089)	31.86 (2.96)				
ATS4828	48 5/8" (1235)	52 1/4" (1327)	15.86 (1.47)	ATS5854	60 5/8" (1540)	86 1/4" (2191)	33.54 (3.12)				
ATS4830	48 5/8" (1235)	56 1/4" (1429)	17.21 (1.60)	ATS5858	60 5/8" (1540)	90 1/4" (2292)	35.23 (3.27)				
ATS4834	48 5/8" (1235)	60 1/4" (1530)	18.56 (1.72)	ATS5860	60 5/8" (1540)	94 1/4" (2394)	36.91 (3.43)				
ATS4838	48 5/8" (1235)	64 1/4" (1632)	19.91 (1.85)	ATS6007	60 5/8" (1540)	98 1/4" (2496)	38.59 (3.59)				
ATS4840	48 5/8" (1235)	68 1/4" (1734)	21.26 (1.98)	ATS6010	64 5/8" (1641)	35 1/4" (895)	12.69 (1.18)				
ATS4844	48 5/8" (1235)	72 1/4" (1835)	22.61 (2.10)	ATS6020	64 5/8" (1641)	40 1/4" (1022)	14.93 (1.39)				
ATS4848	48 5/8" (1235)	76 1/4" (1937)	23.96 (2.23)	ATS6024	64 5/8" (1641)	52 1/4" (1327)	20.31 (1.89)				
ATS4850	48 5/8" (1235)	80 1/4" (2038)	25.31 (2.35)	ATS6028	64 5/8" (1641)	56 1/4" (1429)	22.11 (2.05)				

• Dimensions in parentheses are in millimeters or square meters.

Direct-Set Specialty Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

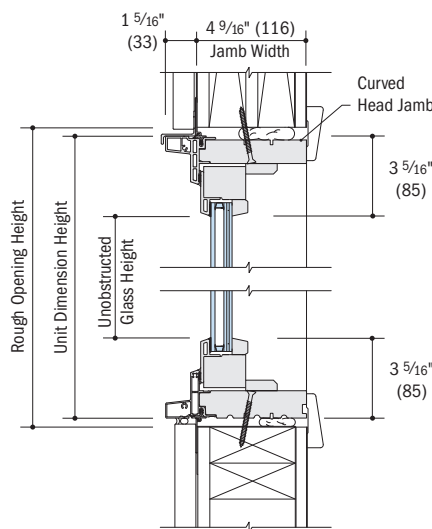
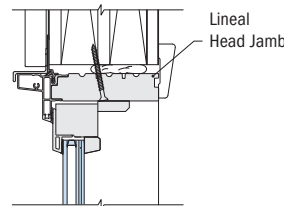


Vertical Section

Low-E4* Impact-Resistant Glass

Sash-Set Specialty Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



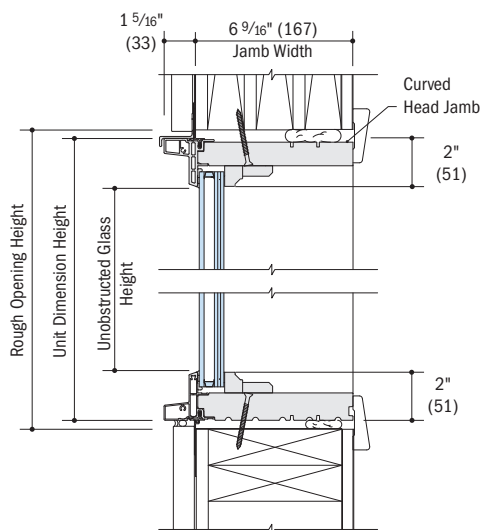
Vertical Section

Low-E4* Impact-Resistant Glass

Both lineal and curved head jambs are shown. Choose detail based on your specialty window shape.

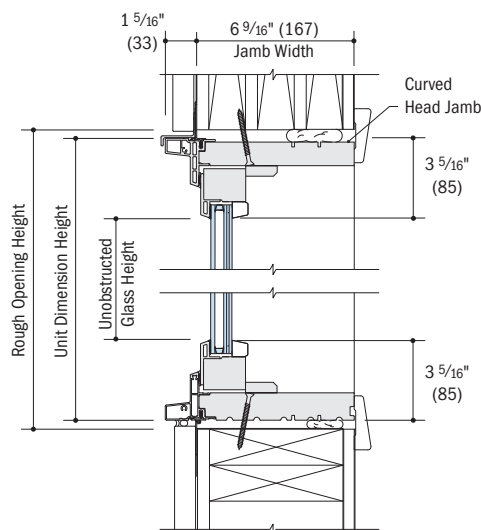
Sash-set specialty and direct-set specialty windows are available in 4 9/16" (116) and 6 9/16" (167) jamb depths.

Oval windows are only available direct-set.



Vertical Section

Low-E4* Impact-Resistant Glass



Vertical Section

Low-E4* Impact-Resistant Glass

- 4 9/16" (116) and 6 9/16" (167) jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

Horizontal (stack) LVL Joining Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

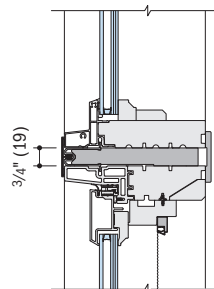
4 9/16" (116) and 6 9/16" (167)

LVL joining shown. Clip joining is also available for joining specialty windows to other A-Series windows.

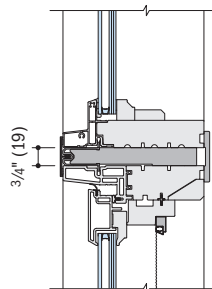
Overall Door/Window

Dimension Height

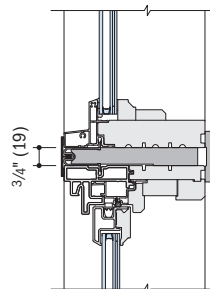
Sum of individual door/window heights plus 3/4" (19).



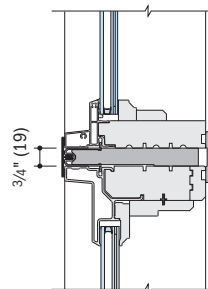
Direct-Set Specialty over Casement
4 9/16" (116) Jamb Width



Direct-Set Specialty over Awning
4 9/16" (116) Jamb Width



Direct-Set Specialty over Double-Hung
4 9/16" (116) Jamb Width

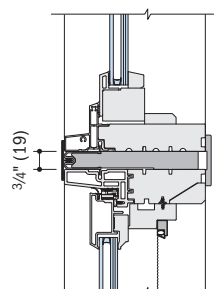


Direct-Set Specialty over Picture
4 9/16" (116) Jamb Width

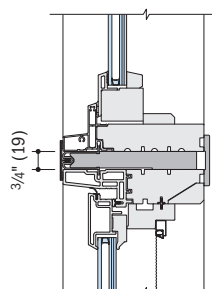
Overall Minimum Rough

Opening Height

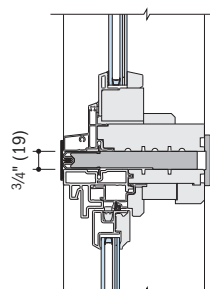
Overall door/window height dimension plus 3/4" (19).



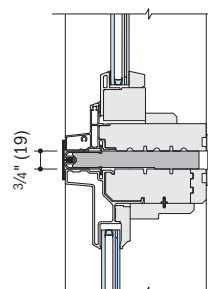
Sash-Set Specialty over Casement
4 9/16" (116) Jamb Width



Sash-Set Specialty over Awning
4 9/16" (116) Jamb Width

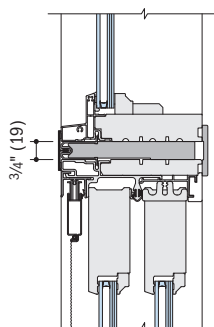


Sash-Set Specialty over Double-Hung
4 9/16" (116) Jamb Width

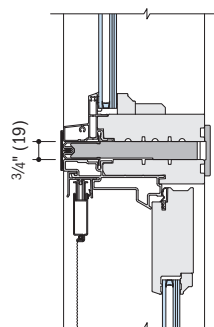


Sash-Set Specialty over Picture
4 9/16" (116) Jamb Width

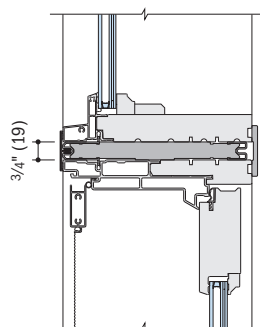
For more joining information see the combination designs section starting on page 193.



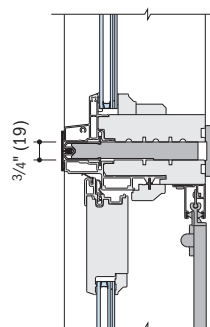
Direct-Set Specialty over Frenchwood® Gliding Patio Door
4 9/16" (116) Jamb Width



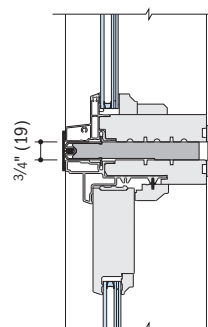
Direct-Set Specialty over Frenchwood® Hinged Inswing Patio Door
4 9/16" (116) Jamb Width



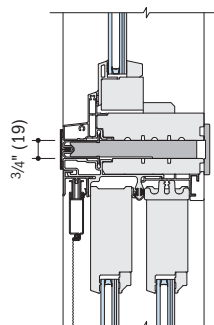
Direct-Set Specialty over Frenchwood® Hinged Inswing Patio Door
6 9/16" (167) Jamb Width



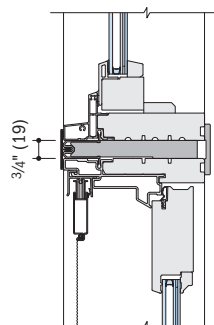
Direct-Set Specialty over Frenchwood® Hinged Outswing Patio Door
4 9/16" (116) Jamb Width



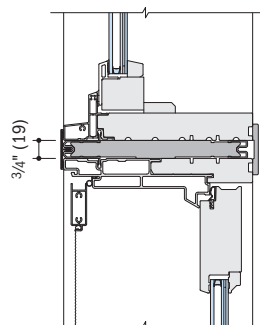
Direct-Set Specialty over Frenchwood® Patio Door Sidelight
4 9/16" (116) Jamb Width



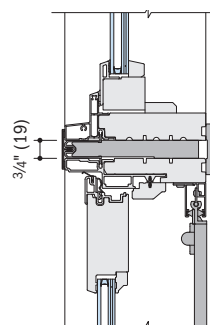
Sash-Set Specialty over Frenchwood® Gliding Patio Door
4 9/16" (116) Jamb Width



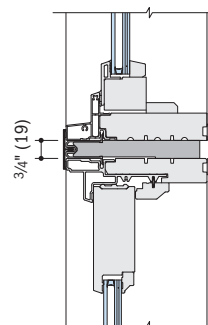
Sash-Set Specialty over Frenchwood® Hinged Inswing Patio Door
4 9/16" (116) Jamb Width



Sash-Set Specialty over Frenchwood® Hinged Inswing Patio Door
6 9/16" (167) Jamb Width



Sash-Set Specialty over Frenchwood® Hinged Outswing Patio Door
4 9/16" (116) Jamb Width



Sash-Set Specialty over Frenchwood® Patio Door Sidelight
4 9/16" (116) Jamb Width

- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.

PATIO DOORS

CUSTOM SIZING!
in 1/8" (3) increments



SECTION REFERENCE

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Grille Patterns	103
Door Details.....	104–105

Frenchwood Hinged Inswing

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Frenchwood Hinged Outswing

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Frenchwood Sidelights & Transoms

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Dimensions in parentheses are in millimeters.

FEATURES

FRENCHWOOD® GLIDING PATIO DOORS

Frame

A Frame constructed with a wood core and a fiberglass exterior. This construction produces a rigid frame and a low-maintenance, durable exterior.

B Wood members are treated with a water-repellent preservative for long-lasting* protection and performance.

The interior wood jamb has an extension jamb kerf, making it easy to add interior extension jambs matching wall thicknesses.

C The weather seal is made from a flexible polyethylene leaf with a urethane foam core on the sill and stationary side jambs, and a polypropylene fin weatherstrip on the head and operating side jambs, creating a positive seal between the frame and panels. This system provides a long-lasting*, energy-efficient barrier against wind, water and dust.



Sill

D One-piece fiberglass design provides superior water management. The non-conductive fiberglass construction enhances energy performance, and its superior strength eliminates the need for a sill support.

Slip- and wear-resistant poly bead finish available in either neutral gray or dark bronze color.

The roller track has a stainless steel cap that resists denting for smooth, reliable operation.

E Factory-applied drop-nose channel attachment is standard for enhanced water performance. See page 97 for details.

Panel

F Panel stiles and rails are constructed of an engineered LVL core. This LVL core provides strength and helps prevent warping for consistent smooth operation.

G Interior panel surfaces are constructed from premium wood veneer available in six wood species options. All prefinished interior options use water-based paints and stains.

H The exterior of the wood panel is protected with a Flexacron® paint system; this stabilized polyester paint is electrostatically applied to penetrate all exterior surfaces for maximum protection and a lustrous, low-maintenance finish.

Dual corrosion-resistant* ball-bearing rollers on door panels provide smooth gliding operation with self-contained leveling adjusters.

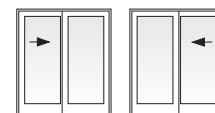
Dual ball-bearing rollers have deep grooves to increase engagement with the roller track and resist lateral movement.

A panel stiffener along the full length of the meeting stile supports the stationary panel when it is under structural pressure.

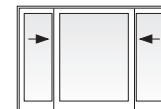
Operating panels have a full-length stiffener on the edge of the meeting stile. The panel stiffener matches the interior wood species of the patio door for enhanced appearance.

A parting stop bracket adds strength to the door by reinforcing the top of the panels.

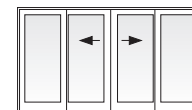
Multiple Panel Configurations Available



2-Panel



3-Panel



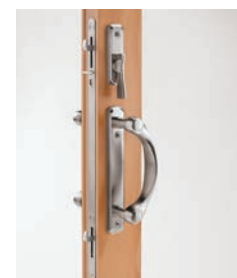
4-Panel

1 Glass

See page 97 for details.

Hardware

Multi-Point Locking System



The multi-point locking system features a unique reachout design that pulls the door panel tightly closed for a weathertight seal and enhanced security.

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the A-Series Limited Warranty.

"Flexacron" is a registered trademark of PPG Industries, Inc.

Dimensions in parentheses are in millimeters.

FEATURES

FRENCHWOOD® HINGED INSWING PATIO DOORS

Frame

A Frame constructed with a wood core and a fiberglass exterior. This construction produces a rigid frame and a low-maintenance, durable exterior.

B Wood members are treated with a water-repellent preservative for long-lasting* protection and performance.

The interior wood jamb has an extension jamb kerf, making it easy to add interior extension jambs matching wall thicknesses.

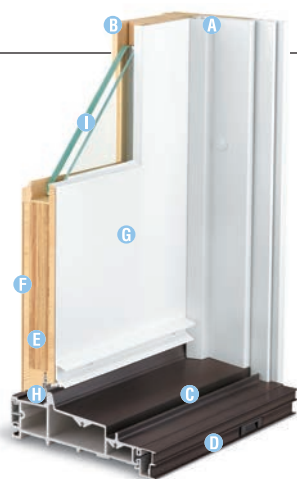
Frenchwood® hinged inswing patio doors are available in 4 3/8" (116) and 6 3/8" (167) jamb depths.

Sill

C One-piece fiberglass design provides superior water management. The non-conductive fiberglass construction enhances energy performance, and its superior strength eliminates the need for a sill support.

Slip- and wear-resistant poly bead finish available in either neutral gray or dark bronze color.

D Factory-applied drop-nose channel attachment is standard for enhanced water performance. See below for details.



Panel

E Panel stiles and rails are constructed of an engineered LVL core. This LVL core provides strength and helps prevent warping for consistent smooth operation.

F Panel interior surfaces are constructed from premium wood veneer available in six wood species options. All prefinished interior options use water-based paints and stains.

G The exterior of the wood panel is protected with a Flexacron® paint system; this stabilized polyester paint is electrostatically applied to penetrate all exterior surfaces for maximum protection and a lustrous, low-maintenance finish.

H Factory-applied, one-piece (welded corners), compression-type weatherstrip made from a durable thermoplastic material is attached directly to the panel, not the frame, creating a continuous plane around the panel to provide maximum effectiveness against air and water infiltration. This system provides a long-lasting* energy-efficient barrier against wind, water and dust.

Hinged inswing operation panels are available in either single left- or right-hand active or two-panel active/passive jamb hinges.

Adjustable Hinges

Adjustable hinges have ball-bearing pivots for smooth, frictionless movement. Features easy horizontal and vertical adjustment, plus quick-release feature for easy panel removal. This release feature is ideal for transporting large units up stairs or to other hard-to-reach areas. Gold Dust finish is standard on wood interior doors. For units with a White prefinished interior, White finish hinges are standard. Also available in finishes that coordinate with hardware.



I Glass

See below for details.

Hardware

Five-Point Locking System

On active/passive door configurations, a five-point lock features corrosion-resistant latches that engage into the sill, head jamb and passive panel for added security and performance.

Optional corrosion-resistant locking mechanism, constructed from 300 series grade stainless steel, is available and recommended for applications within two miles of the coast and other harsh environments.

COMMON FEATURES

Glass

3/4" (19) impact-resistant glass construction provides industry-leading energy performance, sound control and added security.

A removable translucent film helps shield the glass from damage during delivery and construction and simplifies finishing at the jobsite.

Panels are silicone bed glazed and finished with an interior wood glass stop.

Interior wood glass stops are secured using 1 1/2" (38) 16-gauge crown staples instead

of nails. Silicone is also applied to the full perimeter of the glass on the interior side of the pane to add strength and stability.

Consult local building codes for glass most suitable to your area. High-performance glass options include:

- Low-E4® standard tempered glass (PG Upgrade)
- Low-E4 SmartSun™ standard tempered glass (PG Upgrade)
- Low-E4 Sun standard tempered glass** (PG Upgrade)
- Low-E4 tempered impact-resistant glass
- Low-E4 SmartSun™ tempered impact-resistant glass
- Low-E4 Sun tempered impact-resistant glass**
- Impact-resistant Monolithic Clear glass
- Impact-resistant Monolithic Gray glass**

Drop-Nose Channel



Patent-pending drop-nose channel provides enhanced water performance without increasing interior sill height. See pages 104 and 111 for details.

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the A-Series Limited Warranty.

**Low-E4® Sun impact-resistant glass and impact-resistant Monolithic Gray glass each satisfy Florida Turtle Code.

Dimensions in parentheses are in millimeters.

FEATURES

FRENCHWOOD® HINGED OUTSWING PATIO DOORS

Frame

A Frame constructed with a wood core and a fiberglass exterior. This construction produces a rigid frame and a low-maintenance, durable exterior.

B Wood members are treated with a water-repellent preservative for long-lasting* protection and performance.

The interior wood jamb has an extension jamb kerf, making it easy to add interior extension jambs matching wall thicknesses.

Sill

C One-piece non-conductive fiberglass construction enhances energy performance, and its superior strength eliminates the need for a sill support. Innovative sill design provides superior water management.

Slip- and wear-resistant poly bead finish available in either neutral gray or dark bronze color.

D Factory-applied drop-nose channel attachment is standard for enhanced water performance. See page 99 for details.



Panel

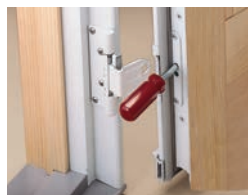
E Panel stiles and rails are constructed of an engineered LVL core. This LVL core provides strength and helps prevent warping for consistent smooth operation.

F Panel interior surfaces are constructed from premium wood veneer available in six wood species options. All prefinished interior options use water-based paints and stains.

G The exterior of the wood panel is protected with a Flexacron® paint system; this stabilized polyester paint is electrostatically applied to penetrate all exterior surfaces for maximum protection and a lustrous, low-maintenance finish.

H Factory-applied, one-piece (welded corners), compression-type weatherstrip made from a durable thermoplastic material is attached directly to the panel, not the frame, creating a continuous plane around the panel to provide maximum effectiveness against air and water infiltration. The weatherstripping creates a strong, long-lasting* seal that stands up to harsh weather.

Hinged outswing operation panels are available in either single left- or right-hand active or two-panel active/passive jamb hinges.



Removable panels simplify finishing and allow for easy storage during construction. The panel release tabs on the hinge are covered with a cap for a clean appearance. The panels can be easily removed with the unique panel release tab on the hinge. This release feature is ideal for transporting large units up stairs or to other hard-to-reach areas.

I The ball-bearing hinges are covered with a corrosion-resistant powder-coat finish. Hinges are color-matched to the panel exterior and can be adjusted up/down and left/right after installation.

J Glass

See page 99 for details.

Hardware

Five-Point Locking System

On active/passive door configurations, a five-point lock features stainless steel latches that engage into the sill, head jamb and passive panel for added security and performance.

Optional corrosion-resistant locking mechanism, constructed of 300 series grade stainless steel, is available and recommended for applications within two miles of the coast and other harsh environments.

Optional Corrosion-Resistant Hinges

300 series grade stainless steel finish hinges are available and recommended for areas within two miles of the coast and other harsh environments.

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the A-Series Limited Warranty.

"Flexacron" is a registered trademark of PPG Industries, Inc.

Dimensions in parentheses are in millimeters.

FEATURES

FRENCHWOOD® PATIO DOOR SIDELIGHTS Frame

Frame constructed with a wood core and a fiberglass exterior. This construction produces a rigid frame and a low-maintenance, durable exterior.

Wood members are treated with a water-repellent preservative for long-lasting* protection and performance.

The interior wood jamb has an extension jamb kerf, making it easy to add interior extension jambs matching wall thicknesses.

Sill for Frenchwood Patio Door Sidelights

One-piece fiberglass design provides superior water management. The non-conductive fiberglass construction enhances energy performance, and its superior strength eliminates the need for a sill support.

Factory-applied drop-nose channel attachment is standard for enhanced water performance. See below for details.

Slip- and wear-resistant poly bead finish available in either neutral gray or dark bronze color.

Panel

Panel stiles and rails are constructed of an engineered LVL core. This LVL core provides strength and helps prevent warping for consistent smooth operation.



Panel interior surfaces are constructed from premium wood veneer available in six wood species options. All prefinished interior options use water-based paints and stains.

The exterior of the wood panel is protected with a Flexacron® paint system; this stabilized polyester paint is electrostatically applied to penetrate all exterior surfaces for maximum protection and a lustrous, low-maintenance finish.

Glass

See below for details.

FRENCHWOOD® PATIO DOOR TRANSOMS Frame

Frame constructed with a wood core and a fiberglass exterior. This construction produces a rigid frame and a low-maintenance, durable exterior.

Wood members are treated with a water-repellent preservative for long-lasting* protection and performance.

The interior wood jamb has an extension jamb kerf, making it easy to add interior extension jambs matching wall thicknesses.

Sash for Frenchwood Patio Door Transoms

Available in Direct-Set or Sash-Set construction. Direct-Set transoms have glass glazed directly into the frame and maximize glass area. Sash-Set transoms feature a stationary sash and provide common sight lines with A-Series patio doors.

Frenchwood patio door transoms feature elegant lines that match the Frenchwood patio doors. Available in six wood species options. All prefinished interior options use water-based paints and stains.

Glass

See below for details.

COMMON FEATURES

Glass

¾" (19) impact-resistant glass construction provides industry-leading energy performance, sound control and added security.

A removable translucent film helps shield the glass from damage during delivery and construction and simplifies finishing at the jobsite.

Panels are silicone bed glazed and finished with an interior wood glass stop.

Interior wood glass stops are secured using 1 ½" (38) 16-gauge crown staples instead

of nails. Silicone is also applied to the full perimeter of the glass on the interior side of the pane to add strength and stability.

Consult local building codes for glass most suitable to your area. High-performance glass options include:

- Low-E4® standard tempered glass (PG Upgrade)
- Low-E4 SmartSun™ standard tempered glass (PG Upgrade)
- Low-E4 Sun standard tempered glass** (PG Upgrade)
- Low-E4 tempered impact-resistant glass
- Low-E4 SmartSun tempered impact-resistant glass
- Low-E4 Sun tempered impact-resistant glass**
- Impact-resistant Monolithic Clear glass
- Impact-resistant Monolithic Gray glass**

Drop-Nose Channel



Patent-pending drop-nose channel provides enhanced water performance without increasing interior sill height. See pages 104 and 111 for details.

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the A-Series Limited Warranty.

**Low-E4® Sun impact-resistant glass and impact-resistant Monolithic Gray glass each satisfy Florida Turtle Code.

Dimensions in parentheses are in millimeters.

EXTERIOR



White Canvas Sandtone Prairie Grass Terratone Forest Green



Dove Gray Dark Bronze Cocoa Bean Red Rock Black

HARDWARE FINISHES



Antique Brass Black Bright Brass Brushed Chrome Distressed Bronze Distressed Nickel



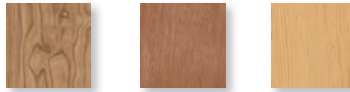
Gold Dust Oil Rubbed Bronze Polished Chrome Satin Nickel Stone White

INTERIOR

INTERIOR WOOD SPECIES

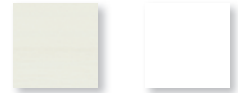


Pine Maple Oak



Cherry (Unfinished only) Mahogany* (Unfinished only) Vertical Grain Douglas Fir (Unfinished only)

PAINTED INTERIORS

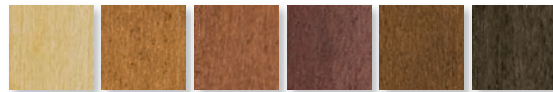


White Birch Bark



Primed

FACTORY-FINISHED INTERIORS



Clear Coat Honey Cinnamon Russet Mocha Espresso

Naturally occurring variations in grain, color and texture of wood make each window one of a kind. All wood interiors are unfinished unless a finish is specified.

HARDWARE



YUMA®

Distressed Bronze
Distressed Nickel



ENCINO®

Distressed Bronze
Distressed Nickel



ANVERS®

Bright Brass
Oil Rubbed Bronze
Satin Nickel



NEWBURY®

Antique Brass
Bright Brass
Brushed Chrome
Oil Rubbed Bronze
Polished Chrome
Satin Nickel



COVINGTON™

Antique Brass
Bright Brass
Oil Rubbed Bronze



WHITMORE®

Antique Brass
Bright Brass
Oil Rubbed Bronze
Satin Nickel



ALBANY

Black
Gold Dust
Stone
White



TRIBECA®

Stone
White

Bold name denotes finish shown.

*Actual wood is Sapele, a non-endangered species of mahogany grown in Africa, with color and characteristics similar to American mahoganies.

Distressed Bronze and Oil Rubbed Bronze are "living" finishes that will change with time and use.

Printing limitations prevent exact duplication of colors and finishes. See your Andersen supplier for actual color and finish samples.

ACCESSORIES

Frame

Extension Jamb

Available in oak, pine and maple, precut to fit the unit. Available in ¼" (1.5) increments up to 7 ½" (181) and can be prefinished to match the interior finish of the unit. This option is also available factory applied.

Threshold for Frenchwood® Gliding and Hinged Inswing Patio Doors

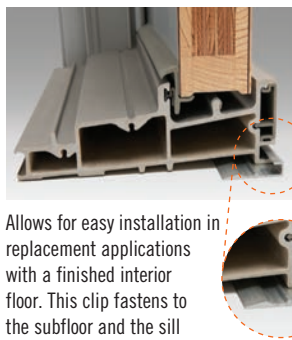


An oak or maple threshold is available for finishing the interior of the sill on Frenchwood® gliding and hinged inswing patio doors.

Sill Step for Frenchwood Hinged Outswing Patio Doors

The Frenchwood hinged outswing door offers an optional oak or maple sill step.

Remodeler Sill Clip



Allows for easy installation in replacement applications with a finished interior floor. This clip fastens to the subfloor and the sill snaps into the clip, providing a secured structural installation.

Hardware

Exterior Keyed Lock



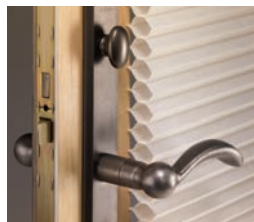
A six-pin exterior key cylinder lock is available for all patio doors in styles and finishes that coordinate with hardware. This lock allows the patio door to be locked and unlocked from the exterior.

Auxiliary Foot Lock for Frenchwood Gliding Patio Doors



Provides an extra measure of security when the door is in a locked position. There can be two lock locations; fully closed panel or partially open provides a secure venting position. Available in all hardware finishes.

Handle Extension Kit for Frenchwood Hinged Inswing and Outswing Patio Doors



Extends interior door handle an additional 1" (25) from the door panel to accommodate interior blinds or shades. Kit includes one handle extender and spindle. A second extender may be added to the spindle to increase the length an additional 1" (25) [2" (51) total extension].

Strike Plate Extensions

Bright brass, antique brass, brushed chrome, oil rubbed bronze, brushed chrome and satin nickel strike plate extensions are available for single-panel hinged doors.

Exterior extension jamb system is available for the following wall thicknesses:

- 5 ¼" (133)
- 6 ½" (167)
- 7 ¾" (192)

Construction Lock for Frenchwood Hinged Inswing and Outswing Patio Doors



This hardware can be used to help secure the jobsite during the construction phase of the project. It features an undersized escutcheon plate, which makes on-site finishing easier.

Glass

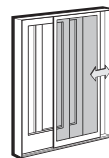
Andersen® Art Glass

Available for PG upgrade units only. Andersen art glass comes in a variety of original patterns, including four *Frank Lloyd Wright® Series* designs. Visit andersenwindows.com/artglass for complete details on Andersen art glass and pattern information.

Insect Screens

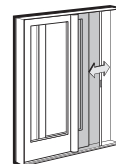
All insect screens have a long-lasting* fiberglass screen cloth with a charcoal finish and are color matched to the exterior of your door unless otherwise specified.

Gliding and Top-Hung Insect Screen for Frenchwood Gliding and Hinged Inswing Patio Doors



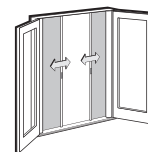
Patented square corner joints add considerable strength to the frame members. The insect screen is available in a conventional gliding or a premium top-hung gliding design. The conventional insect screen has bottom rollers with self-contained leveling adjusters. The premium top-hung insect screen has silicone-embedded glide hooks that hang from the top of the screen track, allowing it to glide smoothly and effortlessly. Alignment rollers on the bottom of the insect screen keep it in place on the track while the perimeter bug seal helps ensure insects stay on the outside.

Retractable Insect Screen for Frenchwood Gliding Patio Doors



The retractable insect screen is installed on the exterior of the door and opens across the width of the opening. When the insect screen is not in use, it neatly retracts into a small canister mounted on the exterior of the door. The retractable insect screen canister is available for two-panel patio doors in 11 colors. Please note, retractable screen track reduces clear opening height by 1" (25).

Retractable Insect Screen for Frenchwood Hinged Outswing Patio Doors



The retractable insect screen is installed on the interior of the door across the width of the opening. When the insect screen is not in use, it neatly retracts into small canisters mounted on each side of the door. Retractable insect screens are available for single-panel and two-panel doors with White, Gold Dust, pine, oak and maple finishes and six stains to match the interior of your door. Please note, retractable screen track reduces clear opening height by 1" (25).

Hinged Insect Screen for Frenchwood Hinged Inswing Patio Doors



Available for single-panel doors.

Double-Hinged Insect Screen for Frenchwood Hinged Inswing Patio Doors



Available for two-panel double-jamb hinged doors.

Grilles

Grilles are available in a variety of configurations and widths. For double-hung grille patterns see pages 103, 107, 113 and 122.

Exterior Trim

This product is available with Andersen® Exterior Trim. See pages 129-136 for details.

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the A-Series Limited Warranty.

Dimensions in parentheses are in millimeters.

Note: Andersen® patio doors are not intended for use as entrance doors.

"Frank Lloyd Wright" is a registered trademark of the Frank Lloyd Wright Foundation.

"Delrin" is a registered trademark of E.I. du Pont de Nemours and Company.

Table of Frenchwood® Gliding Patio Door Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Door Dimension	2'-8 3/8" (822)	4'-11 1/4" (1505)	4'-11 1/4" (1505)	9'-9" (2972)	9'-9" (2972)
Minimum Rough Opening	2'-9" (838)	5'-0" (1524)	5'-0" (1524)	9'-10" (2997)	9'-10" (2997)
Unobstructed Glass (single panel only)	21 1/8" (537)	21 1/8" (537)	21 1/8" (537)	21 1/8" (537) 52" (1321) 21 1/8" (537)	21 1/8" (537)



Custom-size doors are available in 1/8" (3) increments. See page 127 for custom sizes and specifications.

3 heights					
1 FWGD	2968S	5068L	5068R	91068-3	91068-4*
2 FWGD	29611S	50611L	50611R	910611-3	910611-4*
3 FWGD	2980S	5080L	5080R	91080-3	91080-4*

Door Dimension	3'-2 3/8" (974)	5'-11 1/4" (1810)	5'-11 1/4" (1810)	11'-9" (3581)	11'-9" (3581)
Minimum Rough Opening	3'-3" (991)	6'-0" (1829)	6'-0" (1829)	11'-10" (3606)	11'-10" (3600)
Unobstructed Glass (single panel only)	27 1/8" (689)	27 1/8" (689)	27 1/8" (689)	27 1/8" (689) 64" (1626) 27 1/8" (689)	27 1/8" (689)

3 heights					
1 FWGD	3368S	6068L	6068R	111068-3	111068-4*
2 FWGD	33611S	60611L	60611R	1110611-3	1110611-4*
3 FWGD	3380S	6080L	6080R	111080-3	111080-4*

Door Dimension	3'-8 3/8" (1126)	6'-11 1/4" (2114)	6'-11 1/4" (2114)
Minimum Rough Opening	3'-9" (1067)	7'-0" (2133)	7'-0" (2133)
Unobstructed Glass (single panel only)	33 1/8" (841)	33 1/8" (841)	33 1/8" (841)

3 heights			
1 FWGD	3968S	7068L	7068R
2 FWGD	39611S	70611L	70611R
3 FWGD	3980S	7080L	7080R

Arrow indicates direction of panel operation as viewed from the exterior.

Stationary (**S**) doors can be used as an individual door or as a sidelight. Single-panel Stormwatch® doors are available factory-assembled. Two-panel, three-panel and four-panel doors are not available factory-assembled.

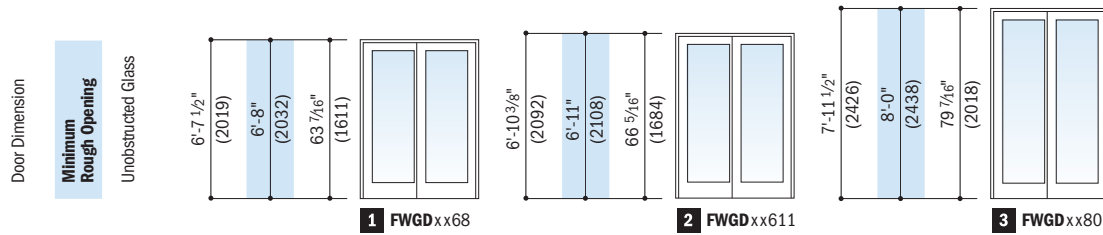
Grille patterns shown on page 103.

Door Dimension	4'-2 3/8" (1279)	7'-11 1/4" (2419)	7'-11 1/4" (2419)	15'-9" (4801)
Minimum Rough Opening	4'-3" (1295)	8'-0" (2438)	8'-0" (2438)	15'-10" (4826)
Unobstructed Glass (single panel only)	39 1/8" (994)	39 1/8" (994)	39 1/8" (994)	39 1/8" (994)

3 heights				
1 FWGD	4368S	8068L	8068R	151068-4*
2 FWGD	43611S	80611L	80611R	1510611-4*
3 FWGD	4380S	8080L	8080R	151080-4*

- "Door Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.
- *Add 1/4" (6) to the "Minimum Rough Opening" height dimension for four-panel doors.

Three Patio Door Heights



For all four-panel gliding patio doors add 1/4" (6) to the "Minimum Rough Opening" height dimension.

Frenchwood® Gliding Patio Door Opening and Area Specifications

Door Number	Clear Opening Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Sq. Ft./ (m ²)	Overall Door Area Sq. Ft./ (m ²)
		Width Inches/(mm)	Height Inches/(mm)			
FWGD5068	11.16 (1.04)	21 1/4" (540)	75 1/2" (1918)	18.61 (1.73)	11.16 (1.04)	32.71 (3.04)
FWGD50611	11.58 (1.08)	21 1/4" (540)	78 7/16" (1992)	19.46 (1.81)	11.58 (1.08)	33.89 (3.15)
FWGD5080	13.52 (1.26)	21 1/4" (540)	91 1/2" (2324)	23.31 (2.17)	13.52 (1.26)	39.29 (3.65)
FWGD6068	14.31 (1.33)	27 1/4" (692)	75 1/2" (1918)	23.90 (2.22)	14.31 (1.33)	39.34 (3.65)
FWGD60611	14.85 (1.38)	27 1/4" (692)	78 7/16" (1992)	24.98 (2.32)	14.85 (1.38)	40.76 (3.79)
FWGD6080	17.33 (1.61)	27 1/4" (692)	91 1/2" (2324)	29.93 (2.78)	17.33 (1.61)	47.25 (4.39)
FWGD7068	17.45 (1.62)	33 1/4" (845)	75 1/2" (1918)	29.19 (2.71)	17.45 (1.62)	45.96 (4.27)
FWGD70611	18.12 (1.68)	33 1/4" (845)	78 7/16" (1992)	30.51 (2.83)	18.12 (1.68)	47.62 (4.42)
FWGD7080	21.15 (1.96)	33 1/4" (845)	91 1/2" (2324)	36.55 (3.40)	21.15 (1.96)	55.21 (5.13)
FWGD8068	20.60 (1.91)	39 1/4" (997)	75 1/2" (1918)	34.47 (3.20)	20.60 (1.91)	52.59 (4.89)
FWGD80611	21.39 (1.99)	39 1/4" (997)	78 7/16" (1992)	36.03 (3.35)	21.39 (1.99)	54.49 (5.06)
FWGD8080	24.96 (2.32)	39 1/4" (997)	91 1/2" (2324)	43.17 (4.01)	24.96 (2.32)	63.17 (5.87)
FWGD91068*	11.16 (1.04)	21 1/4" (540)	75 1/2" (1918)	41.51 (3.86)	11.16 (1.04)	64.59 (6.00)
FWGD910611*	11.58 (1.08)	21 1/4" (540)	78 7/16" (1992)	43.39 (4.03)	11.58 (1.08)	66.93 (6.22)
FWGD91080*	13.52 (1.26)	21 1/4" (540)	91 1/2" (2324)	51.97 (4.83)	13.52 (1.26)	77.59 (7.21)
FWGD111068*	14.31 (1.33)	27 1/4" (692)	75 1/2" (1918)	52.08 (4.84)	14.31 (1.33)	77.84 (7.23)
FWGD1110611*	14.85 (1.38)	27 1/4" (692)	78 7/16" (1992)	54.44 (5.06)	14.85 (1.38)	80.66 (7.49)
FWGD111080*	17.33 (1.61)	27 1/4" (692)	91 1/2" (2324)	65.21 (6.06)	17.33 (1.61)	93.51 (8.69)
FWGD91068	22.60 (2.10)	43 1/16" (1094)	75 1/2" (1918)	37.22 (3.46)	22.60 (2.10)	64.59 (6.00)
FWGD910611	23.46 (2.18)	43 1/16" (1094)	78 7/16" (1992)	38.91 (3.61)	23.46 (2.18)	66.93 (6.22)
FWGD91080	27.38 (2.54)	43 1/16" (1094)	91 1/2" (2324)	46.61 (4.33)	27.38 (2.54)	77.59 (7.21)
FWGD111068	28.89 (2.68)	55 1/16" (1399)	75 1/2" (1918)	47.80 (4.44)	28.89 (2.68)	77.84 (7.23)
FWGD1110611	29.99 (2.79)	55 1/16" (1399)	78 7/16" (1992)	49.96 (4.64)	29.99 (2.79)	80.66 (7.49)
FWGD111080	35.01 (3.25)	55 1/16" (1399)	91 1/2" (2324)	59.85 (5.56)	35.01 (3.25)	93.51 (8.69)
FWGD151068	41.49 (3.85)	79 7/16" (2008)	75 1/2" (1918)	68.94 (6.40)	41.49 (3.85)	104.34 (9.69)
FWGD1510611	43.07 (4.00)	79 7/16" (2008)	78 7/16" (1992)	72.07 (6.70)	43.07 (4.00)	108.12 (10.04)
FWGD151080	50.27 (4.67)	79 7/16" (2008)	91 1/2" (2324)	86.33 (8.02)	50.27 (4.67)	125.34 (11.64)

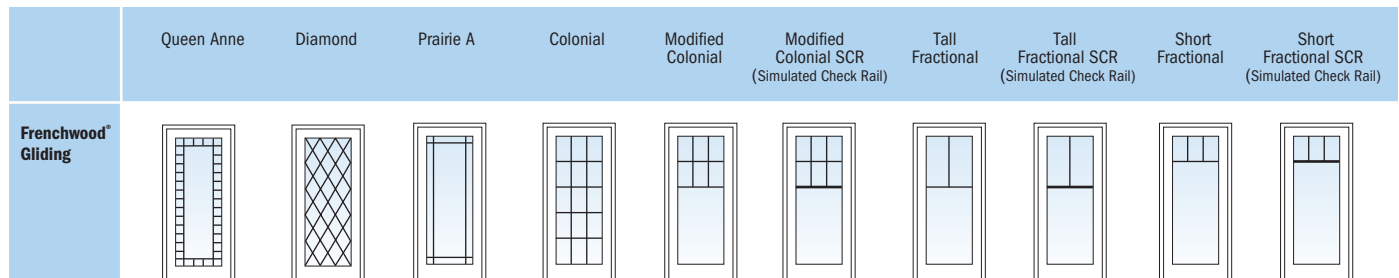
* Dimensions in parentheses are in millimeters or square meters.
* Calculation for single operating panel.

Stationary Frenchwood® Gliding Patio Door Area Specifications

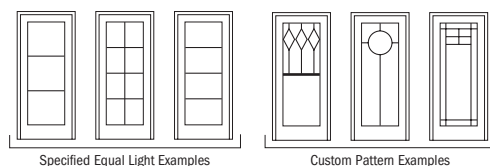
Door Number	Glass Area Sq. Ft./ (m ²)	Overall Door Area Sq. Ft./ (m ²)
FWGD2968S	9.31 (0.86)	17.86 (1.66)
FWGD29611S	9.73 (0.90)	18.50 (1.72)
FWGD2980S	11.65 (1.08)	21.45 (1.99)
FWGD3368S	11.95 (1.11)	21.17 (1.97)
FWGD33611S	12.49 (1.16)	21.93 (2.04)
FWGD3380S	14.96 (1.39)	21.94 (2.04)
FWGD3968S	14.59 (1.36)	24.48 (2.27)
FWGD39611S	15.25 (1.42)	25.37 (2.36)
FWGD3980S	18.27 (1.70)	29.41 (2.73)
FWGD4368S	17.24 (1.60)	27.79 (2.58)
FWGD43611S	18.02 (1.67)	28.80 (2.68)
FWGD4380S	21.58 (2.00)	33.39 (3.10)

• Dimensions in parentheses are in square meters.

Grille Patterns



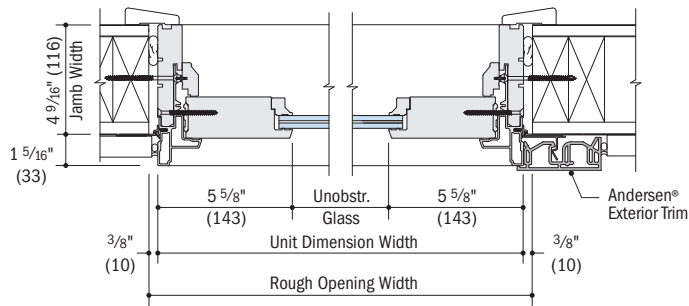
• Andersen® Finelight™ grilles available in 3/4" (19) profile only.



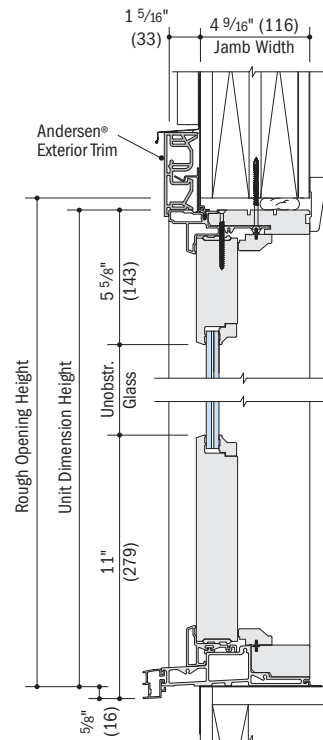
Number of lights and overall pattern varies with door size. Patterns shown may not be available for all sizes. Specified equal light and custom patterns are also available. For more information on divided light see pages 18-19 or visit andersenwindows.com/grilles.

Frenchwood® Gliding Patio Door Details

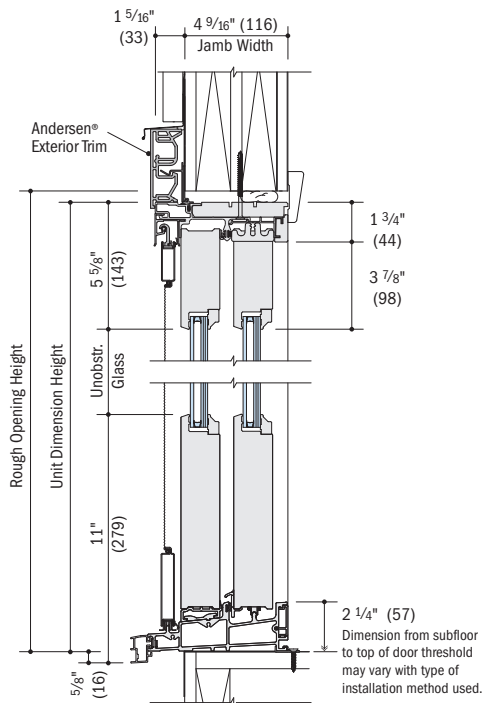
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



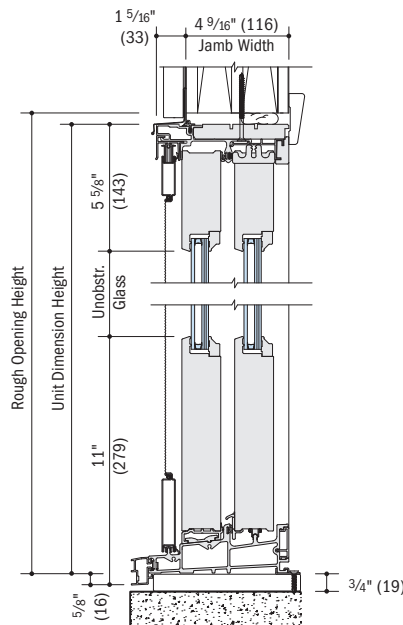
Horizontal Section – Stationary
Monolithic Impact-Resistant Glass



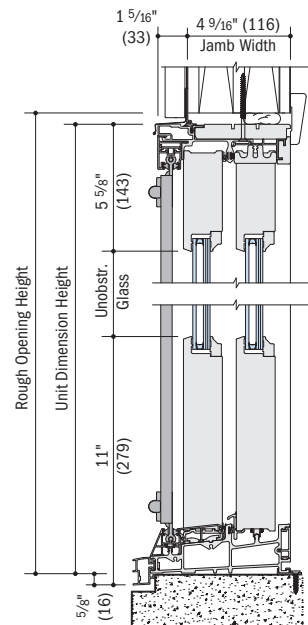
Vertical Section – Stationary
Monolithic Impact-Resistant Glass



Vertical Section – Operating
Gliding (top-hung) Insect Screen
Low-E4® Impact-Resistant Glass



Vertical Section – Operating
Gliding (roller) Insect Screen
Low-E4® Impact-Resistant Glass

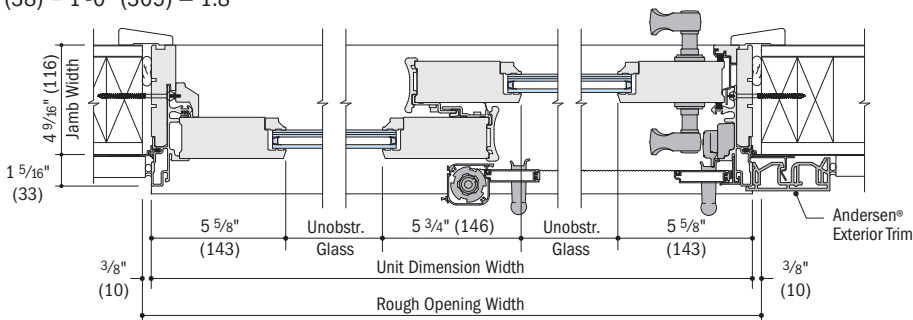


Vertical Section – Operating
Retractable Insect Screen
Low-E4® Impact-Resistant Glass

- 4 9/16" (116) jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

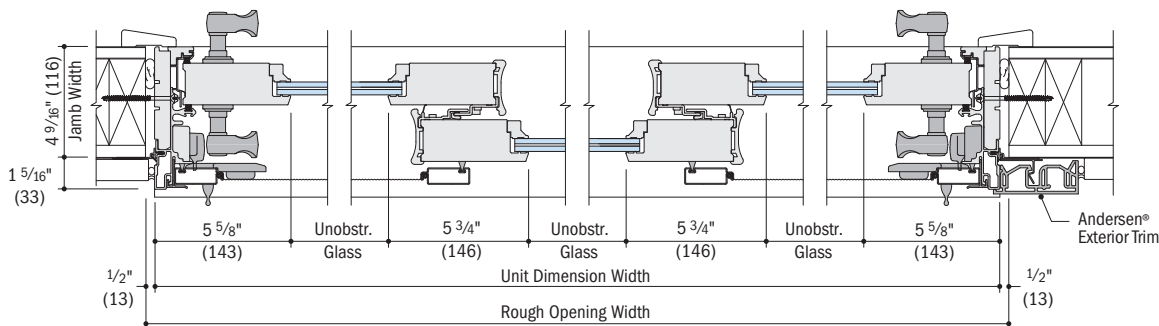
Frenchwood® Gliding Patio Door Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



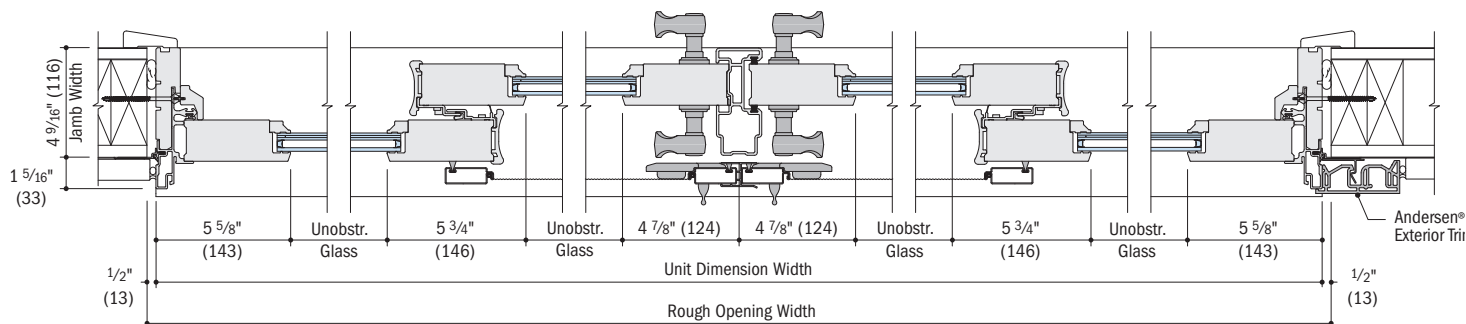
Horizontal Section – Two-Panel

Retractable Insect Screen
Low-E4® Impact-Resistant Glass



Horizontal Section – Three-Panel

Gliding (top-hung or roller) Insect Screen
Monolithic Impact-Resistant Glass



Horizontal Section – Four-Panel

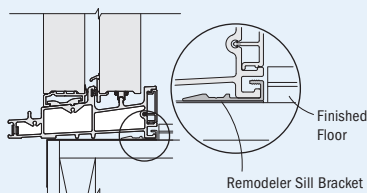
Gliding (top-hung or roller) Insect Screen
Low-E4® Impact-Resistant Glass

See pages 123-126 for
horizontal and vertical
joining details.

- 4 9/16" (116) jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

Remodeler Sill Bracket

Optional remodeler sill bracket is available for installations with an existing finished interior floor.



Drop-Nose Channel

Optional drop-nose channel is available when higher product performance is required. Wood and concrete installations shown.

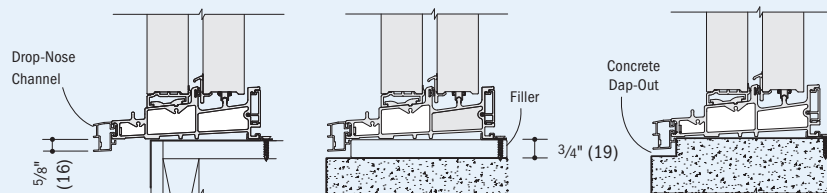


Table of Frenchwood® Hinged Inswing Patio Door Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Door Dimension	2'-0 1/8" (612)	3'-11 1/4" (1200)	3'-11 1/4" (1200)
Minimum Rough Opening	2'-1" (634)	4'-0" (1219)	4'-0" (1219)
Unobstructed Glass (single panel only)	12 7/8" (327)	12 7/8" (327)	12 7/8" (327)



Custom-size doors are available in 1/8" (3) increments.

See page 127 for custom sizes and specifications.

Stationary (**S**) doors can be used as an individual door or as a sidelight.
Inswing doors are available in both 4 9/16" (116) and 6 9/16" (167) jamb depths. Grille patterns shown on page 107.

Door Dimension	2'-0 1/8" (612)	3'-11 1/4" (1200)	3'-11 1/4" (1200)
Minimum Rough Opening	2'-1" (634)	4'-0" (1219)	4'-0" (1219)
Unobstructed Glass (single panel only)	12 7/8" (327)	12 7/8" (327)	12 7/8" (327)
1 FWHID	2168S	4068SS	4068APLR/4068PALR
2 FWHID	21611S	40611SS	40611APLR/40611PALR
3 FWHID	2180S	4080SS	4080APLR/4080PALR

Door Dimension	2'-6 1/8" (764)	2'-6 1/8" (764)	2'-6 1/8" (764)	4'-11 1/4" (1505)	4'-11 1/4" (1505)	4'-11 1/4" (1505)	4'-11 1/4" (1505)	4'-11 1/4" (1505)	4'-11 1/4" (1505)
Minimum Rough Opening	2'-7" (787)	2'-7" (787)	2'-7" (787)	5'-0" (1524)	5'-0" (1524)	5'-0" (1524)	5'-0" (1524)	5'-0" (1524)	5'-0" (1524)
Unobstructed Glass (single panel only)	18 7/8" (479)	18 7/8" (479)	18 7/8" (479)	18 7/8" (479)	18 7/8" (479)	18 7/8" (479)	18 7/8" (479)	18 7/8" (479)	18 7/8" (479)
1 FWHID	2768S	2768AR	2768AL	5068SS	5068ASR	5068ASL	5068SAR	5068SAL	5068APLR/5068PALR
2 FWHID	27611S	27611AR	27611AL	50611SS	50611ASR	50611ASL	50611SAR	50611SAL	50611APLR/50611PALR
3 FWHID	2780S	2780AR	2780AL	5080SS	5080ASR	5080ASL	5080SAR	5080SAL	5080APLR/5080PALR

Door Dimension	2'-8 1/8" (815)	2'-8 1/8" (815)	2'-8 1/8" (815)	5'-3 1/4" (1607)	5'-3 1/4" (1607)	5'-3 1/4" (1607)	5'-3 1/4" (1607)	5'-3 1/4" (1607)	5'-3 1/4" (1607)
Minimum Rough Opening	2'-9" (838)	2'-9" (838)	2'-9" (838)	5'-4" (1626)	5'-4" (1626)	5'-4" (1626)	5'-4" (1626)	5'-4" (1626)	5'-4" (1626)
Unobstructed Glass (single panel only)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)
1 FWHID	2968S	2968AR	2968AL	5468SS	5468ASR	5468ASL	5468SAR	5468SAL	5468APLR/5468PALR
2 FWHID	29611S	29611AR	29611AL	54611SS	54611ASR	54611ASL	54611SAR	54611SAL	54611APLR/54611PALR
3 FWHID	2980S	2980AR	2980AL	5480SS	5480ASR	5480ASL	5480SAR	5480SAL	5480APLR/5480PALR

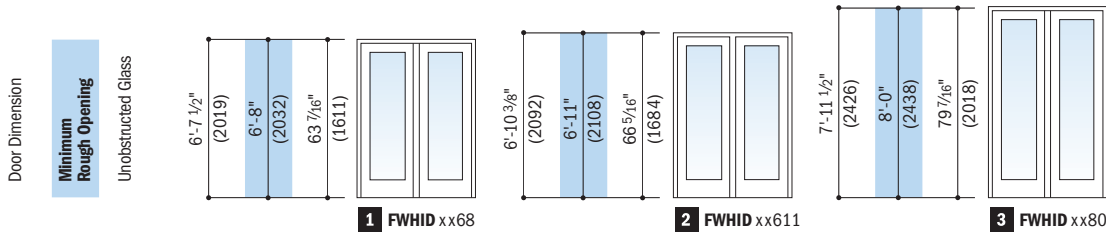
Door Dimension	3'-0 1/8" (917)	3'-0 1/8" (917)	3'-0 1/8" (917)	5'-11 1/4" (1810)	5'-11 1/4" (1810)	5'-11 1/4" (1810)	5'-11 1/4" (1810)	5'-11 1/4" (1810)	5'-11 1/4" (1810)
Minimum Rough Opening	3'-1" (940)	3'-1" (940)	3'-1" (940)	6'-0" (1829)	6'-0" (1829)	6'-0" (1829)	6'-0" (1829)	6'-0" (1829)	6'-0" (1829)
Unobstructed Glass (single panel only)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)
1 FWHID	3168S	3168AR	3168AL	6068SS	6068ASR	6068ASL	6068SAR	6068SAL	6068APLR/6068PALR
2 FWHID	31611S	31611AR	31611AL	60611SS	60611ASR	60611ASL	60611SAR	60611SAL	60611APLR/60611PALR
3 FWHID	3180S	3180AR	3180AL	6080SS	6080ASR	6080ASL	6080SAR	6080SAL	6080APLR/6080PALR

• "Door Dimension" always refers to outside frame to frame dimension.

• "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.

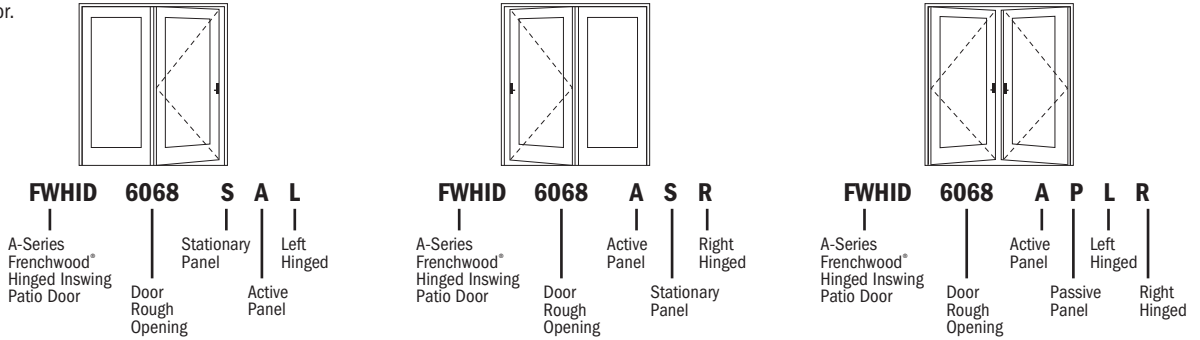
• Dimensions in parentheses are in millimeters.

Three Patio Door Heights



Order Designation Description

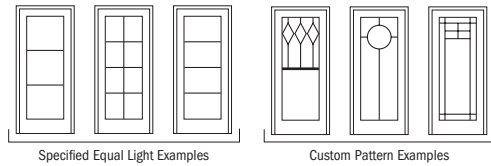
Viewed from the exterior.



Grille Patterns

	Queen Anne	Diamond	Prairie A	Colonial	Modified Colonial	Modified Colonial SCR (Simulated Check Rail)	Tall Fractional	Tall Fractional SCR (Simulated Check Rail)	Short Fractional	Short Fractional SCR (Simulated Check Rail)
Frenchwood® Hinged Inswing										

• Andersen® Finelight™ grilles available in 3/4" (19) profile only.



Number of lights and overall pattern varies with door size. Patterns shown may not be available for all sizes. Specified equal light and custom patterns are also available. For more information on divided light see pages 18-19 or visit andersenwindows.com/grilles.

3'-2 1/8" (968)	3'-2 1/8" (968)	3'-2 1/8" (968)	6'-3 1/4" (1911)	6'-3 1/4" (1911)	6'-3 1/4" (1911)	6'-3 1/4" (1911)	6'-3 1/4" (1911)	6'-3 1/4" (1911)
3'-3" (991)	3'-3" (991)	3'-3" (991)	6'-4" (1930)	6'-4" (1930)	6'-4" (1930)	6'-4" (1930)	6'-4" (1930)	6'-4" (1930)
26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)
33611S	33611AR	33611AL	64611SS	64611ASR	64611ASL	64611SAR	64611SAL	64611APLR/64611PALR
3380S	3380AR	3380AL	6480SS	6480ASR	6480ASL	6480SAR	6480SAL	6480APLR/6480PALR

Notes on the previous page also apply to this page.

- "Door Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Dimensions in parentheses are in millimeters.

Frenchwood® Hinged Inswing Patio Door Opening and Area Specifications

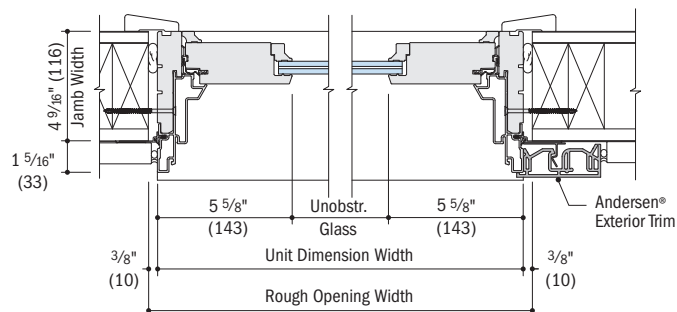
Door Number	Clear Opening Maximums				Glass Area Sq. Ft./ (m²)	Vent Sq. Ft./ (m²)	Overall Door Area Sq. Ft./ (m²)
	Clear Opening Sq. Ft./ (m²)	90° Width Inches/ (mm)	Full Width Inches/ (mm)	Height Inches/ (mm)			
FWHID2168S	—	—	—	—	5.67 (0.53)	—	13.30 (1.24)
FWHID21611S	—	—	—	—	5.93 (0.55)	—	13.78 (1.28)
FWHID2180S	—	—	—	—	7.10 (0.66)	—	15.98 (1.48)
FWHID2768	13.57 (1.26)	24 5/16" (618)	26" (660)	75 1/2" (1918)	8.31 (0.77)	13.57 (1.26)	16.61 (1.54)
FWHID27611	14.09 (1.31)	24 5/16" (618)	26" (660)	78 1/8" (1984)	8.69 (0.81)	14.09 (1.31)	17.22 (1.60)
FWHID2780	16.46 (1.53)	24 5/16" (618)	26" (660)	91 1/2" (2324)	10.41 (0.97)	16.46 (1.53)	19.96 (1.85)
FWHID2968	14.62 (1.36)	26 5/16" (668)	28" (711)	75 1/2" (1918)	9.20 (0.85)	14.62 (1.36)	17.72 (1.65)
FWHID29611	15.17 (1.41)	26 5/16" (668)	28" (711)	78 1/8" (1984)	9.61 (0.89)	15.17 (1.41)	18.36 (1.71)
FWHID2980	17.72 (1.65)	26 5/16" (668)	28" (711)	91 1/2" (2324)	11.52 (1.07)	17.72 (1.65)	21.28 (1.98)
FWHID3168	16.71 (1.55)	30 5/16" (770)	32" (813)	75 1/2" (1918)	10.96 (1.02)	16.71 (1.55)	19.93 (1.85)
FWHID31611	17.34 (1.61)	30 5/16" (770)	32" (813)	78 1/8" (1984)	11.45 (1.06)	17.34 (1.61)	20.65 (1.92)
FWHID3180	20.26 (1.88)	30 5/16" (770)	32" (813)	91 1/2" (2324)	13.72 (1.27)	20.26 (1.88)	23.94 (2.22)
FWHID3368	17.75 (1.65)	32 5/16" (821)	34" (864)	75 1/2" (1918)	11.84 (1.10)	17.75 (1.65)	21.03 (1.95)
FWHID33611	18.43 (1.71)	32 5/16" (821)	34" (864)	78 1/8" (1984)	12.38 (1.15)	18.43 (1.71)	21.79 (2.02)
FWHID3380	21.53 (2.00)	32 5/16" (821)	34" (864)	91 1/2" (2324)	14.82 (1.38)	21.53 (2.00)	25.26 (2.35)
FWHID4068AP/PA	22.54 (2.09)	18 5/16" (465)	43 1/8" (1095)	75 1/2" (1918)	11.34 (1.05)	22.54 (2.09)	26.09 (2.42)
FWHID4068AP/PA*	10.43 (0.97)	18 5/16" (465)	20" (508)	75 1/2" (1918)	11.34 (1.05)	10.43 (0.97)	26.09 (2.42)
FWHID40611AP/PA*	23.40 (2.17)	18 5/16" (465)	43 1/8" (1095)	78 1/8" (1984)	11.86 (1.10)	23.40 (2.17)	27.03 (2.51)
FWHID40611AP/PA*	10.83 (1.01)	18 5/16" (465)	20" (508)	78 1/8" (1984)	11.86 (1.10)	10.83 (1.01)	27.03 (2.51)
FWHID4080AP/PA	27.33 (2.54)	18 5/16" (465)	43 1/8" (1095)	91 1/2" (2324)	14.20 (1.32)	27.33 (2.54)	31.34 (2.91)
FWHID4080AP/PA*	12.65 (1.18)	18 5/16" (465)	20" (508)	91 1/2" (2324)	14.20 (1.32)	12.65 (1.18)	31.34 (2.91)
FWHID5068AS/SA	13.57 (1.26)	24 5/16" (618)	26" (660)	75 1/2" (1918)	16.63 (1.54)	13.57 (1.26)	32.71 (3.04)
FWHID5068AP/PA	28.81 (2.68)	24 5/16" (618)	55 1/8" (1400)	75 1/2" (1918)	16.63 (1.54)	28.81 (2.68)	32.71 (3.04)
FWHID5068AP/PA*	13.57 (1.26)	24 5/16" (618)	26" (660)	75 1/2" (1918)	16.63 (1.54)	13.57 (1.26)	32.71 (3.04)
FWHID50611AS/SA	14.09 (1.31)	24 5/16" (618)	26" (660)	78 1/8" (1984)	17.38 (1.61)	14.09 (1.31)	33.89 (3.15)
FWHID50611AP/PA	29.91 (2.78)	24 5/16" (618)	55 1/8" (1400)	78 1/8" (1984)	17.38 (1.61)	29.91 (2.78)	33.89 (3.15)
FWHID50611AP/PA*	14.09 (1.31)	24 5/16" (618)	26" (660)	78 1/8" (1984)	17.38 (1.61)	14.09 (1.31)	33.89 (3.15)
FWHID5080AS/SA	16.46 (1.53)	24 5/16" (618)	26" (660)	78 1/8" (1984)	20.82 (1.93)	16.46 (1.53)	39.29 (3.65)
FWHID5080AP/PA	34.93 (3.25)	24 5/16" (618)	55 1/8" (1400)	91 1/2" (2324)	20.82 (1.93)	34.93 (3.25)	39.29 (3.65)
FWHID5080AP/PA*	16.45 (1.53)	24 5/16" (618)	26" (660)	91 1/2" (2324)	20.82 (1.93)	16.45 (1.53)	39.29 (3.65)
FWHID5468AS/SA	14.62 (1.36)	26 5/16" (668)	28" (711)	75 1/2" (1918)	18.39 (1.71)	14.62 (1.36)	34.92 (3.24)
FWHID5468AP/PA	30.90 (2.87)	26 5/16" (668)	59 1/8" (1502)	75 1/2" (1918)	18.39 (1.71)	30.90 (2.87)	34.92 (3.24)
FWHID5468AP/PA*	14.61 (1.36)	26 5/16" (668)	28" (711)	75 1/2" (1918)	18.39 (1.71)	14.61 (1.36)	34.92 (3.24)
FWHID54611AS/SA	15.17 (1.41)	26 5/16" (668)	28" (711)	78 1/8" (1984)	19.22 (1.79)	15.17 (1.41)	36.18 (3.36)
FWHID54611AP/PA	32.08 (2.98)	26 5/16" (668)	59 1/8" (1502)	78 1/8" (1984)	19.22 (1.79)	32.08 (2.98)	36.18 (3.36)
FWHID54611AP/PA*	15.17 (1.41)	26 5/16" (668)	28" (711)	78 1/8" (1984)	19.22 (1.79)	15.17 (1.41)	36.18 (3.36)
FWHID5480AS/SA	17.72 (1.65)	26 5/16" (668)	28" (711)	91 1/2" (2324)	23.03 (2.14)	17.72 (1.65)	41.95 (3.90)
FWHID5480AP/PA	37.47 (3.48)	26 5/16" (668)	59 1/8" (1502)	91 1/2" (2324)	23.03 (2.14)	37.47 (3.48)	41.95 (3.90)
FWHID5480AP/PA*	17.72 (1.65)	26 5/16" (668)	28" (711)	91 1/2" (2318)	23.03 (2.14)	17.72 (1.65)	41.95 (3.90)
FWHID6068AS/SA	16.71 (1.55)	30 5/16" (770)	32" (813)	75 1/2" (1918)	21.92 (2.04)	16.71 (1.55)	39.34 (3.65)
FWHID6068AP/PA	35.08 (3.26)	30 5/16" (770)	67 1/8" (1705)	75 1/2" (1918)	21.92 (2.04)	35.08 (3.26)	39.34 (3.65)
FWHID6068AP/PA*	16.71 (1.55)	30 5/16" (770)	32" (813)	75 1/2" (1918)	21.92 (2.04)	16.71 (1.55)	39.34 (3.65)
FWHID60611AS/SA	17.34 (1.61)	30 5/16" (770)	32" (813)	78 1/8" (1984)	22.91 (2.13)	17.34 (1.61)	40.76 (3.79)
FWHID60611AP/PA	36.42 (3.38)	30 5/16" (770)	67 1/8" (1705)	78 1/8" (1984)	22.91 (2.13)	36.42 (3.38)	40.76 (3.79)
FWHID60611AP/PA*	17.34 (1.61)	30 5/16" (770)	32" (813)	78 1/8" (1984)	22.91 (2.13)	17.34 (1.61)	40.76 (3.79)
FWHID6080AS/SA	20.26 (1.88)	30 5/16" (770)	32" (813)	91 1/2" (2324)	27.44 (2.55)	20.26 (1.88)	47.25 (4.39)
FWHID6080AP/PA	42.54 (3.95)	30 5/16" (770)	67 1/8" (1705)	91 1/2" (2324)	27.44 (2.55)	42.54 (3.95)	47.25 (4.39)
FWHID6080AP/PA*	20.26 (1.88)	30 5/16" (770)	32" (813)	91 1/2" (2324)	27.44 (2.55)	20.26 (1.88)	47.25 (4.39)
FWHID6468AS/SA	17.75 (1.65)	32 5/16" (821)	34" (864)	75 1/2" (1918)	23.68 (2.20)	17.75 (1.65)	41.54 (3.86)
FWHID6468AP/PA	37.17 (3.45)	32 5/16" (821)	71 1/8" (1807)	75 1/2" (1918)	23.68 (2.20)	37.17 (3.45)	41.54 (3.86)
FWHID6468AP/PA*	17.75 (1.65)	32 5/16" (821)	34" (864)	75 1/2" (1918)	23.68 (2.20)	17.75 (1.65)	41.54 (3.86)
FWHID64611AS/SA	18.43 (1.71)	32 5/16" (821)	34" (864)	78 1/8" (1984)	24.75 (2.30)	18.43 (1.71)	43.05 (4.00)
FWHID64611AP/PA	38.59 (3.59)	32 5/16" (821)	71 1/8" (1807)	78 1/8" (1984)	24.75 (2.30)	38.59 (3.59)	43.05 (4.00)
FWHID64611AP/PA*	18.43 (1.71)	32 5/16" (821)	34" (864)	78 1/8" (1984)	24.75 (2.30)	18.43 (1.71)	43.05 (4.00)
FWHID6480AS/SA	21.53 (2.00)	32 5/16" (821)	34" (864)	91 1/2" (2324)	29.65 (2.75)	21.53 (2.00)	49.91 (4.64)
FWHID6480AP/PA	45.07 (4.19)	32 5/16" (821)	71 1/8" (1807)	91 1/2" (2324)	29.65 (2.75)	45.07 (4.19)	49.91 (4.64)
FWHID6480AP/PA*	21.52 (2.00)	32 5/16" (821)	34" (864)	91 1/2" (2324)	29.65 (2.75)	21.52 (2.00)	49.91 (4.64)

* Dimensions in parentheses are in millimeters or square meters.

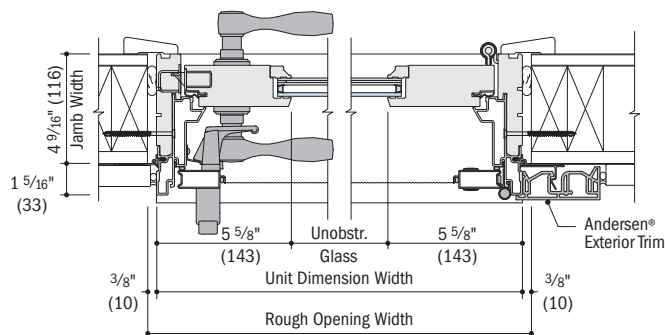
* Calculations for passive panel in closed position.

Frenchwood® Hinged Inswing Patio Door Details — 4 9/16" Jamb Width

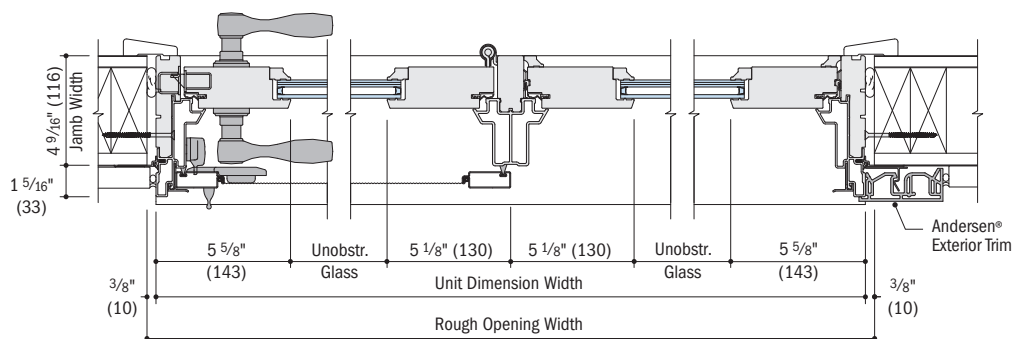
Scale 1 1/2" (38) = 1'-0" (305) — 1:8



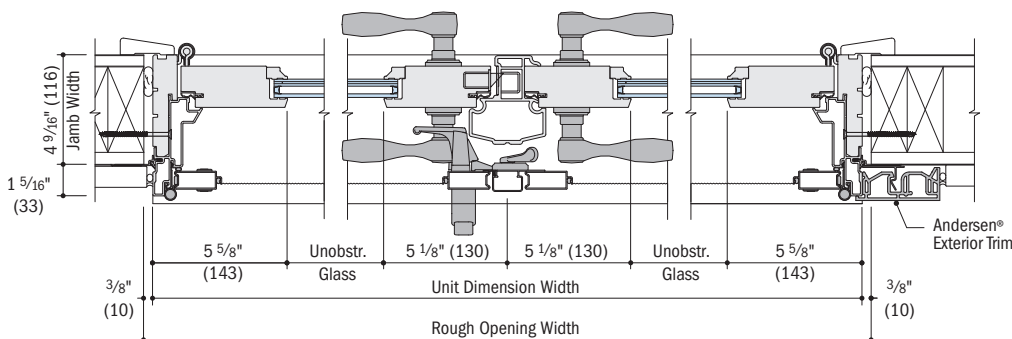
Horizontal Section — Stationary (S)
Monolithic Impact-Resistant Glass



Horizontal Section — Active (AR)
Hinged Insect Screen • (AL/AR)
Low-E4® Impact-Resistant Glass



Horizontal Section — Two-Panel Active (ASR)
Gliding (top-hung or roller) Insect Screen • (ASR/ASL/SAL/SAR)
Low-E4® Impact-Resistant Glass

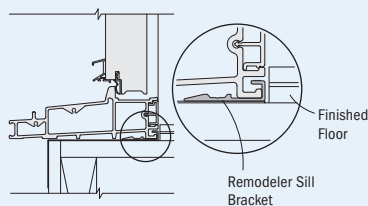


Horizontal Section — Two-Panel Active-Passive (APLR)
Hinged Insect Screen • (APLR/PALR)
Low-E4® Impact-Resistant Glass

- 4 9/16" (116) jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

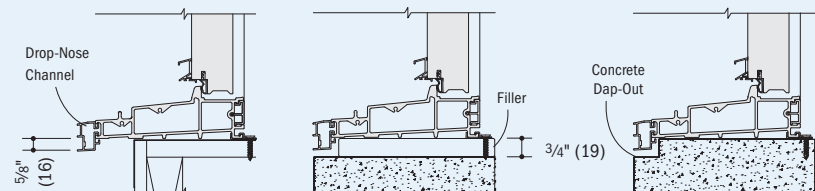
Remodeler Sill Bracket

Optional remodeler sill bracket is available for installations with an existing finished interior floor.



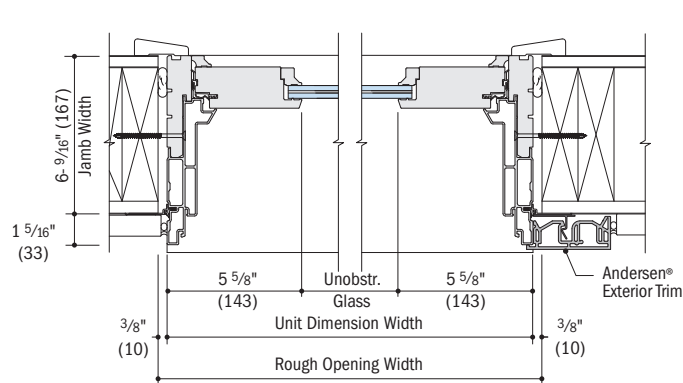
Drop-Nose Channel

Optional drop-nose channel is available when higher product performance is required. Wood and concrete installations shown.

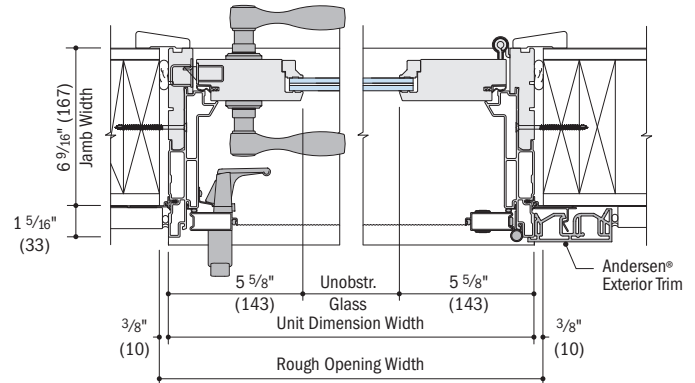


Frenchwood® Hinged Inswing Patio Door Details — 6 9/16" Jamb Width

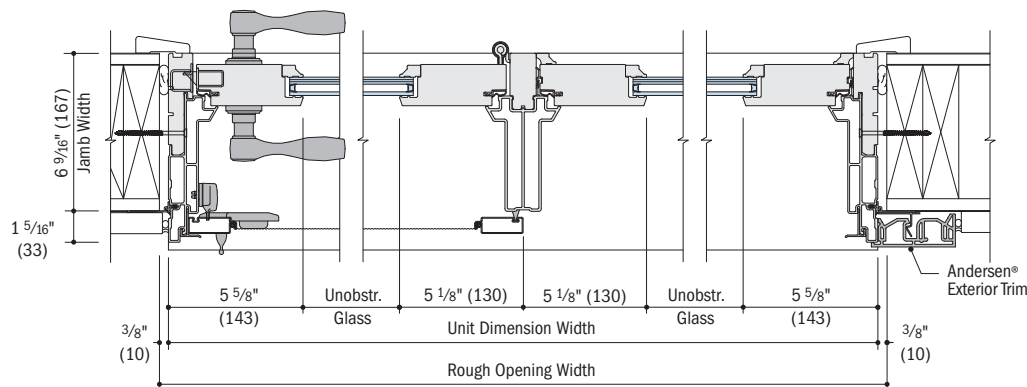
Scale 1 1/2" (38) = 1'-0" (305) — 1:8



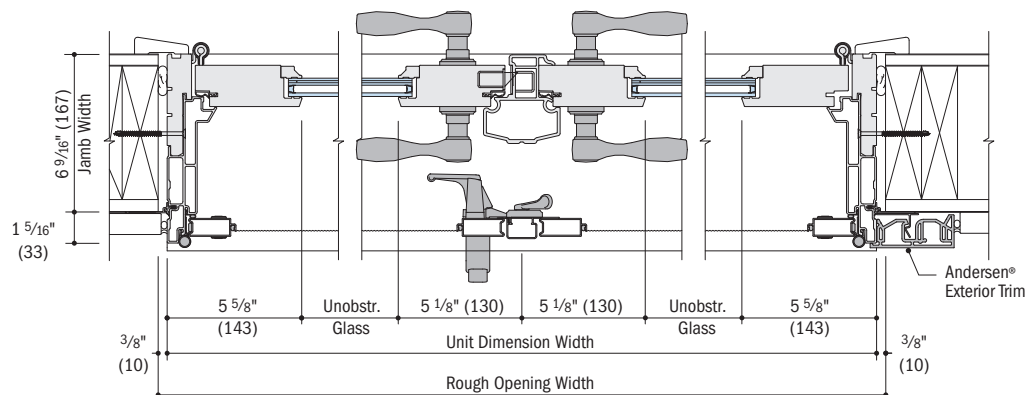
Horizontal Section — Stationary (S)
Monolithic Impact-Resistant Glass



Horizontal Section — Active (AR)
Hinged Insect Screen • (AL/AR)
Monolithic Impact-Resistant Glass



Horizontal Section — Two-Panel Active-Stationary (ASR)
Gliding (top-hung or roller) Insect Screen • (ASR/ASL/SAL/SAR)
Low-E4* Impact-Resistant Glass

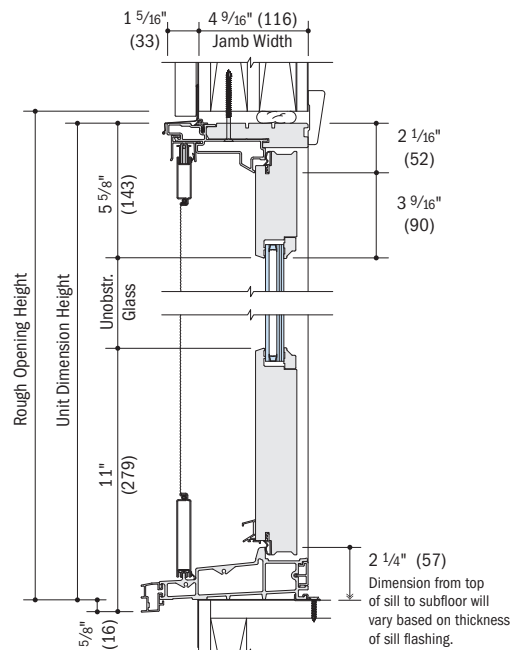


Horizontal Section — Two-Panel Passive (APLR)
Hinged Insect Screen with Astragal • (APLR/PALR)
Low-E4* Impact-Resistant Glass

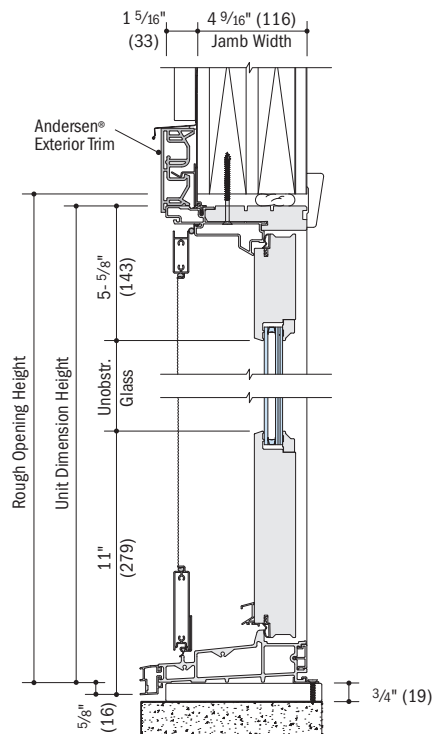
- 6 9/16" (167) jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

Frenchwood® Hinged Inswing Patio Door Details

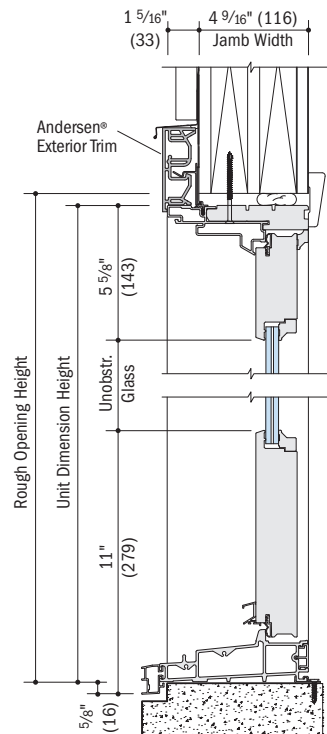
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



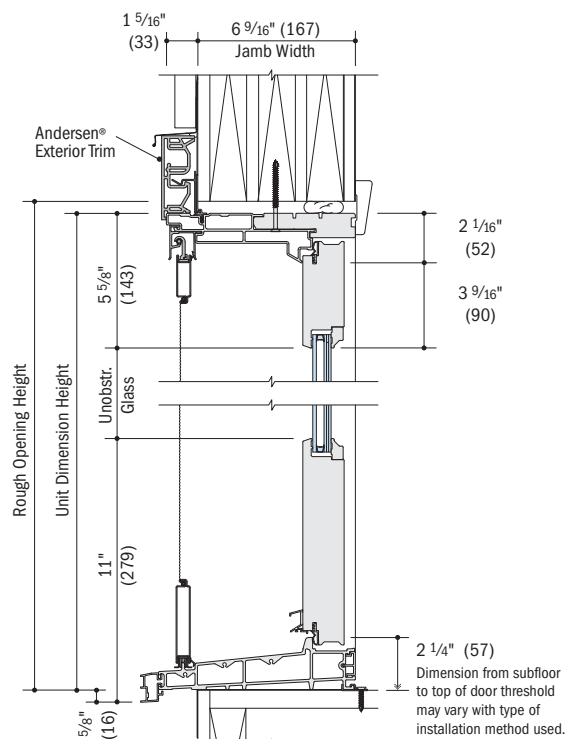
Vertical Section – Active
Gliding (roller) Insect Screen
Low-E4* Impact-Resistant Glass



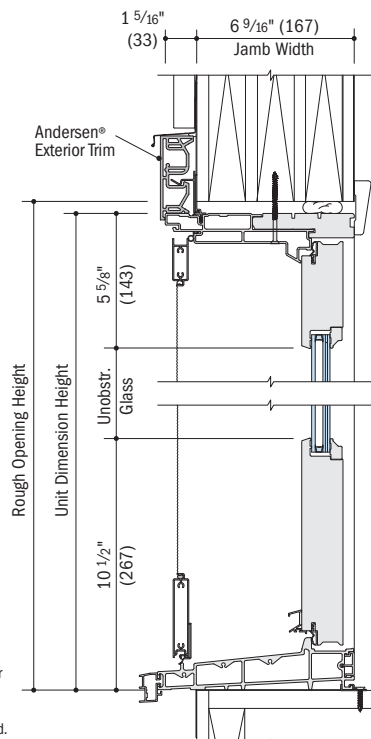
Vertical Section – Active
Hinged Insect Screen
Low-E4* Impact-Resistant Glass



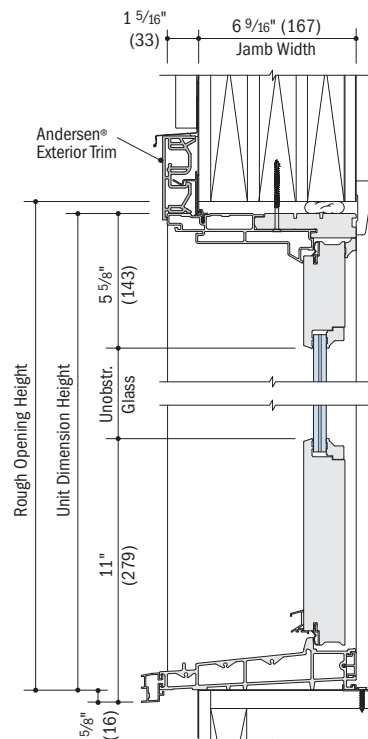
Vertical Section – Stationary
Monolithic Impact-Resistant Glass



Vertical Section – Active
Gliding (top-hung) Insect Screen
Low-E4* Impact-Resistant Glass



Vertical Section – Active
Hinged Insect Screen
Low-E4* Impact-Resistant Glass



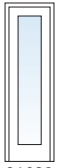
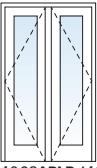
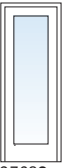
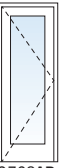
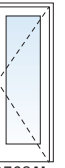
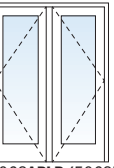
Vertical Section – Stationary
Monolithic Impact-Resistant Glass

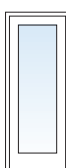
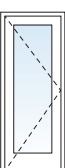
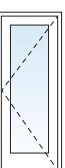
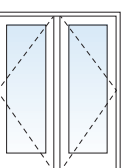
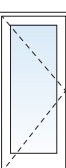
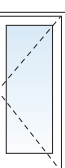
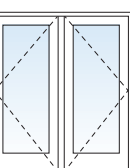
See pages 123-126 for horizontal and vertical joining details.

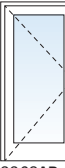
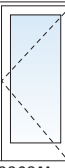
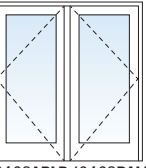
- 4 9/16" (116) and 6 9/16" (167) jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

Table of Frenchwood® Hinged Outswing Patio Door Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Door Dimension	2'-0 1/8" (612)	3'-11 1/4" (1200)	2'-6 1/8" (764)	2'-6 1/8" (764)	2'-6 1/8" (764)	4'-11 1/4" (1505)
Minimum Rough Opening	2'-1" (634)	4'-0" (1219)	2'-7" (787)	2'-7" (787)	2'-7" (787)	5'-0" (1524)
Unobstructed Glass (single panel only)	12 7/8" (327)	12 7/8" (327)	18 7/8" (479)	18 7/8" (479)	18 7/8" (479)	18 7/8" (479)
						
1 FWHOD 2168S	4068APLR/4068PALR	2768S	2768AR	2768AL	5068APLR/5068PALR	
2 FWHOD 21611S	40611APLR/40611PALR	27611S	27611AR	27611AL	50611APLR/50611PALR	
3 FWHOD 2980S	4080APLR/4080PALR	2780S	2780AR	2780AL	5080APLR/5080PALR	

Door Dimension	2'-8 1/8" (815)	2'-8 1/8" (815)	2'-8 1/8" (815)	5'-3 1/4" (1607)	3'-0 1/8" (917)	3'-0 1/8" (917)	3'-0 1/8" (917)	5'-11 1/4" (1810)
Minimum Rough Opening	2'-9" (838)	2'-9" (838)	2'-9" (838)	5'-4" (1626)	3'-1" (940)	3'-1" (940)	3'-1" (940)	6'-0" (1829)
Unobstructed Glass (single panel only)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)
								
1 FWHOD 2968S	2968AR	2968AL	5468APLR/5468PALR	3168S	3168AR	3168AL	6068APLR/6068PALR	
2 FWHOD 29611S	29611AR	29611AL	54611APLR/54611PALR	31611S	31611AR	31611AL	60611APLR/60611PALR	
3 FWHOD 2980S	2980AR	2980AL	5480APLR/5480PALR	3180S	3180AR	3180AL	6080APLR/6080PALR	

Door Dimension	3'-2 1/8" (968)	3'-2 1/8" (968)	3'-2 1/8" (968)	6'-3 1/4" (1911)
Minimum Rough Opening	3'-3" (991)	3'-3" (991)	3'-3" (991)	6'-4" (1930)
Unobstructed Glass (single panel only)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)
				
1 FWHOD 3368S	3368AR	3368AL	6468APLR/6468PALR	
2 FWHOD 33611S	33611AR	33611AL	64611APLR/64611PALR	
3 FWHOD 3380S	3380AR	3380AL	6480APLR/6480PALR	

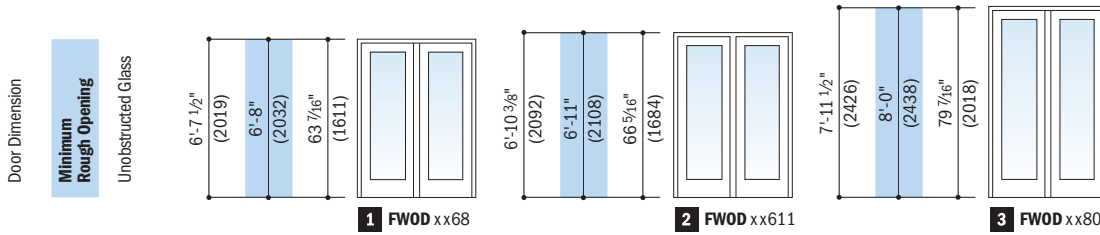
Custom-size doors are available in 1/8" (3) increments. See page 127 for custom sizes and specifications.

Stationary (S) doors can be used as an individual door or as a sidelight.

Grille patterns shown on page 113.

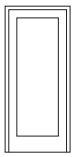
- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.

Three Patio Door Heights

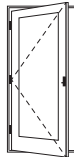


Identification

Viewed from the exterior.



Stationary
Non-operating



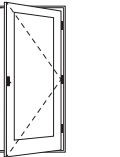
Left Hinged
Hinges on left side



Right Hinged
Hinges on right side



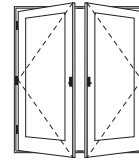
Active Panel
Operating panel used most often



Passive Panel
Operating panel with attached astragal

Order Designation Description

Viewed from the exterior.

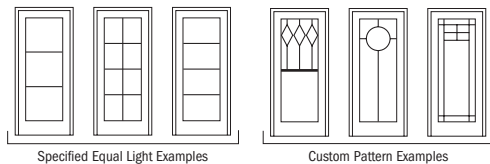


FWOD 6068 A P L R
A-Series Frenchwood® Hinged Outswing Patio Door
Door Rough Opening
Active Panel
Passive Panel
Left Hinged
Right Hinged

Grille Patterns

	Queen Anne	Diamond	Prairie A	Colonial	Modified Colonial	Modified Colonial SCR (Simulated Check Rail)	Tall Fractional	Tall Fractional SCR (Simulated Check Rail)	Short Fractional	Short Fractional SCR (Simulated Check Rail)
Frenchwood® Hinged Outswing										

• Andersen® Finelight™ grilles available in 3/4" (19) profile only.



Number of lights and overall pattern varies with door size.

Patterns are not available in all configurations.

Specified equal light and custom patterns are also available. For more information on divided light see pages 18-19 or visit andersenwindows.com/grilles.

Frenchwood® Hinged Outswing Patio Door Opening and Area Specifications

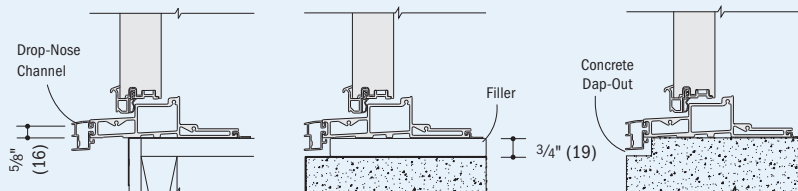
Door Number	Clear Opening Maximums				Glass Area Sq. Ft./ (m ²)	Vent Sq. Ft./ (m ²)	Overall Door Area Sq. Ft./ (m ²)
	Clear Opening Sq. Ft./ (m ²)	90° Width Inches/ (mm)	Full Width Inches/ (mm)	Height Inches/ (mm)			
FWHOD2168S	—	—	—	—	5.67 (0.53)	—	13.30 (1.24)
FWHOD21611S	—	—	—	—	5.93 (0.55)	—	13.78 (1.28)
FWHOD2180S	—	—	—	—	7.10 (0.66)	—	15.98 (1.48)
FWHOD2768	14.11 (1.31)	25 1/16" (637)	26 3/4" (679)	76 1/8" (1934)	8.31 (0.77)	14.11 (1.31)	16.61 (1.54)
FWHOD27611	14.64 (1.36)	25 1/16" (637)	26 3/4" (679)	79" (2007)	8.69 (0.81)	14.64 (1.36)	17.22 (1.60)
FWHOD2780	17.07 (1.59)	25 1/16" (637)	26 3/4" (679)	92 1/8" (2340)	10.41 (0.97)	17.07 (1.59)	19.96 (1.85)
FWHOD2968	15.17 (1.41)	27 1/16" (687)	28 3/4" (730)	76 1/8" (1934)	9.20 (0.85)	15.17 (1.41)	17.72 (1.65)
FWHOD29611	15.74 (1.46)	27 1/16" (687)	28 3/4" (730)	79" (2007)	9.61 (0.89)	15.74 (1.46)	18.36 (1.71)
FWHOD2980	18.35 (1.70)	27 1/16" (687)	28 3/4" (730)	92 1/8" (2340)	11.52 (1.07)	18.35 (1.70)	21.28 (1.98)
FWHOD3168	17.28 (1.61)	31 1/16" (789)	32 3/4" (832)	76 1/8" (1934)	10.96 (1.02)	17.28 (1.61)	19.93 (1.85)
FWHOD31611	17.93 (1.67)	31 1/16" (789)	32 3/4" (832)	79" (2007)	11.45 (1.06)	17.93 (1.67)	20.65 (1.92)
FWHOD3180	20.91 (1.94)	31 1/16" (789)	32 3/4" (832)	92 1/8" (2340)	13.72 (1.27)	20.91 (1.94)	23.94 (2.22)
FWHOD3368	18.34 (1.70)	33 1/16" (840)	34 3/4" (883)	76 1/8" (1934)	11.84 (1.10)	18.34 (1.70)	21.03 (1.95)
FWHOD33611	19.03 (1.77)	33 1/16" (840)	34 3/4" (883)	79" (2007)	12.38 (1.15)	19.03 (1.77)	21.79 (2.02)
FWHOD3380	22.19 (2.06)	33 1/16" (840)	34 3/4" (883)	92 1/8" (2340)	14.82 (1.38)	22.19 (2.06)	25.26 (2.35)
FWHOD4068AP/PA	23.18 (2.15)	40 5/8" (1032)	43 7/8" (1114)	76 1/8" (1934)	11.34 (1.05)	23.18 (2.15)	26.09 (2.42)
FWHOD4068AP/PA*	10.89 (1.01)	19" (483)	20 5/8" (524)	76 1/8" (1934)	11.34 (1.05)	10.89 (1.01)	26.09 (2.42)
FWHOD40611AP/PA	24.05 (2.23)	40 5/8" (1032)	43 7/8" (1114)	79" (2007)	11.86 (1.10)	24.05 (2.23)	27.03 (2.51)
FWHOD40611AP/PA*	11.31 (1.05)	19" (483)	20 5/8" (524)	79" (2007)	11.86 (1.10)	11.31 (1.05)	27.03 (2.51)
FWHOD4080AP/PA	28.05 (2.61)	40 5/8" (1032)	43 7/8" (1114)	92 1/8" (2340)	14.20 (1.32)	28.05 (2.61)	31.34 (2.91)
FWHOD4080AP/PA*	13.18 (1.22)	19" (483)	20 5/8" (524)	92 1/8" (2340)	14.20 (1.32)	13.18 (1.22)	31.34 (2.91)
FWHOD5068AP/PA	29.52 (2.74)	52 5/8" (1337)	55 1/8" (1419)	76 1/8" (1934)	16.63 (1.54)	29.52 (2.74)	32.71 (3.04)
FWHOD5068AP/PA*	14.07 (1.31)	25" (635)	26 5/8" (676)	76 1/8" (1934)	16.63 (1.54)	14.07 (1.31)	32.71 (3.04)
FWHOD50611AP/PA	30.63 (2.85)	52 5/8" (1337)	55 1/8" (1419)	79" (2007)	17.38 (1.61)	30.63 (2.85)	33.89 (3.15)
FWHOD50611AP/PA*	14.60 (1.36)	25" (635)	26 5/8" (676)	79" (2007)	17.38 (1.61)	14.60 (1.36)	33.89 (3.15)
FWHOD5080AP/PA	35.72 (3.32)	52 5/8" (1337)	55 1/8" (1419)	92 1/8" (2340)	20.82 (1.93)	35.72 (3.32)	39.29 (3.65)
FWHOD5080AP/PA*	17.02 (1.58)	25" (635)	26 5/8" (676)	92 1/8" (2340)	20.82 (1.93)	17.02 (1.58)	39.29 (3.65)
FWHOD5468AP/PA	31.63 (2.94)	56 5/8" (1438)	59 7/8" (1521)	76 1/8" (1934)	18.39 (1.71)	31.63 (2.94)	34.92 (3.24)
FWHOD5468AP/PA*	15.12 (1.40)	27" (686)	28 5/8" (727)	76 1/8" (1934)	18.39 (1.71)	15.12 (1.40)	34.92 (3.24)
FWHOD54611AP/PA	32.83 (3.05)	56 5/8" (1438)	59 7/8" (1521)	79" (2007)	19.22 (1.79)	32.83 (3.05)	36.18 (3.36)
FWHOD54611AP/PA*	15.69 (1.46)	27" (686)	28 5/8" (727)	79" (2007)	19.22 (1.79)	15.69 (1.46)	36.18 (3.36)
FWHOD5480AP/PA	38.28 (3.56)	56 5/8" (1438)	59 7/8" (1521)	92 1/8" (2340)	23.03 (2.14)	38.28 (3.56)	41.95 (3.90)
FWHOD5480AP/PA*	18.30 (1.70)	27" (686)	28 5/8" (727)	92 1/8" (2340)	23.03 (2.14)	18.30 (1.70)	41.95 (3.90)
FWHOD6068AP/PA	35.86 (3.33)	64 5/8" (1641)	67 1/8" (1724)	76 1/8" (1934)	21.92 (2.04)	35.86 (3.33)	39.34 (3.65)
FWHOD6068AP/PA*	17.24 (1.60)	31" (787)	32 5/8" (829)	76 1/8" (1934)	21.92 (2.04)	17.24 (1.60)	39.34 (3.65)
FWHOD60611AP/PA	37.21 (3.46)	64 5/8" (1641)	67 1/8" (1724)	79" (2007)	22.91 (2.13)	37.21 (3.46)	40.76 (3.79)
FWHOD60611AP/PA*	17.89 (1.66)	31" (787)	32 5/8" (829)	79" (2007)	22.91 (2.13)	17.89 (1.66)	40.76 (3.79)
FWHOD6080AP/PA	43.40 (4.03)	64 5/8" (1641)	67 1/8" (1724)	92 1/8" (2340)	27.44 (2.55)	43.40 (4.03)	47.25 (4.39)
FWHOD6080AP/PA*	20.86 (1.94)	31" (787)	32 5/8" (829)	92 1/8" (2340)	27.44 (2.55)	20.86 (1.94)	47.25 (4.39)
FWHOD6468AP/PA	37.97 (3.53)	68 5/8" (1743)	71 1/8" (1826)	76 1/8" (1934)	23.68 (2.20)	37.97 (3.53)	41.54 (3.86)
FWHOD6468AP/PA*	18.29 (1.70)	33" (838)	34 5/8" (879)	76 1/8" (1934)	23.68 (2.20)	18.29 (1.70)	41.54 (3.86)
FWHOD64611AP/PA	39.41 (3.66)	68 5/8" (1743)	71 1/8" (1826)	79" (2007)	24.75 (2.30)	39.41 (3.66)	43.05 (4.00)
FWHOD64611AP/PA*	18.98 (1.76)	33" (838)	34 5/8" (879)	79" (2007)	24.75 (2.30)	18.98 (1.76)	43.05 (4.00)
FWHOD6480AP/PA	45.96 (4.27)	68 5/8" (1743)	71 1/8" (1826)	92 1/8" (2340)	29.65 (2.75)	45.96 (4.27)	49.91 (4.64)
FWHOD6480AP/PA*	22.14 (2.06)	33" (838)	34 5/8" (879)	92 1/8" (2340)	29.65 (2.75)	22.14 (2.06)	49.91 (4.64)

• Dimensions in parentheses are in millimeters or square meters.

*Calculations for passive panel in closed position.

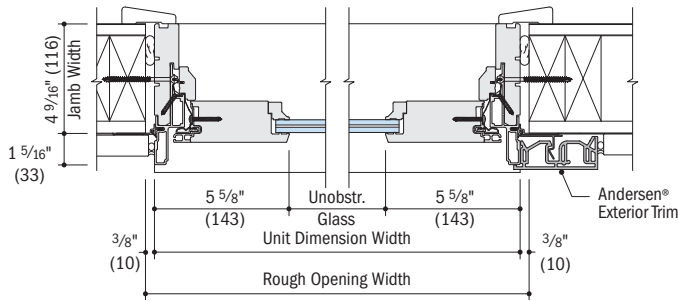
Drop-Nose Channel

Optional drop-nose channel is available when higher product performance is required. Wood and concrete installations shown.

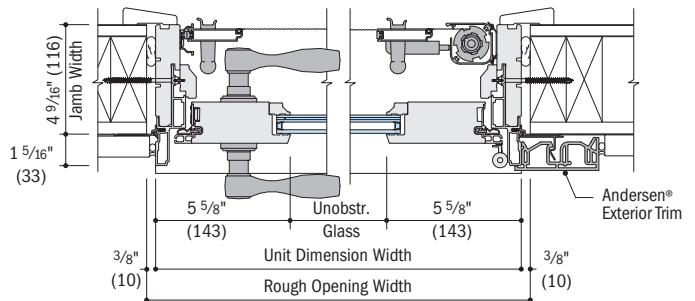


Frenchwood® Hinged Outswing Patio Door Details

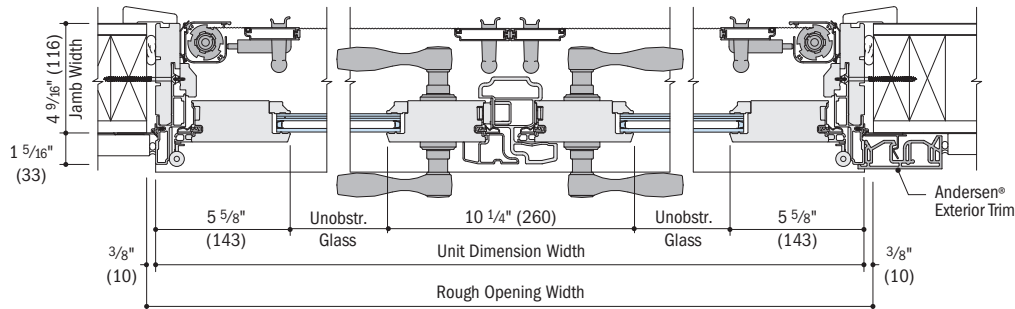
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



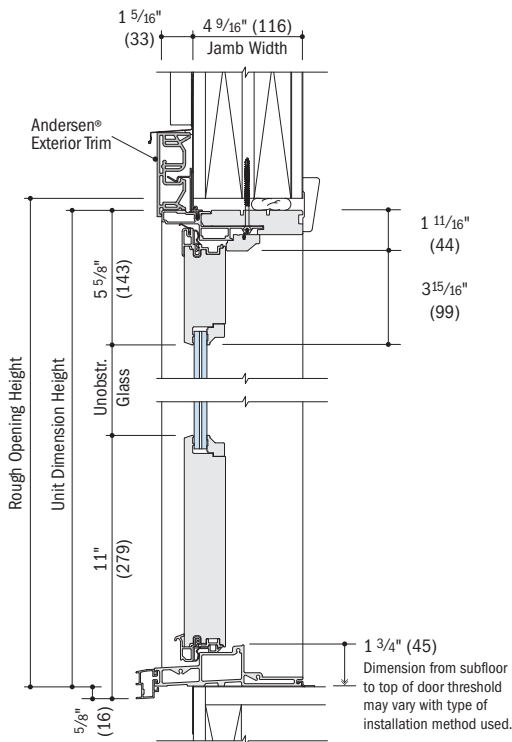
Horizontal Section – Stationary (S)
Monolithic Impact-Resistant Glass



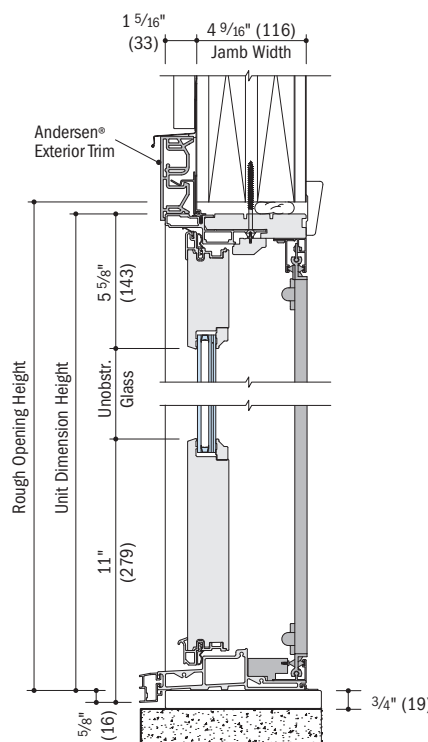
Horizontal Section – Active (AR)
Retractable Insect Screen - (AL/AR)
Low-E4® Impact-Resistant Glass



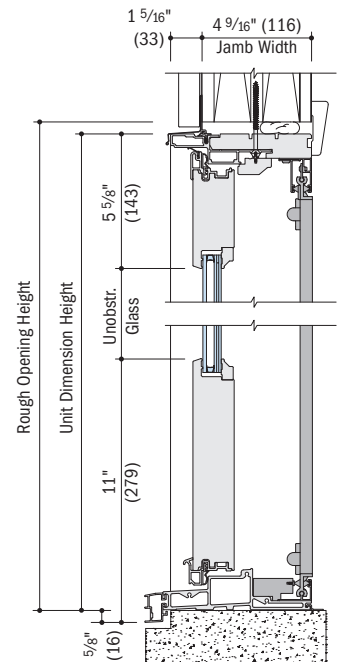
Horizontal Section – Two-Panel Active (APLR)
Retractable Insect Screen - (APLR/PALR)
Low-E4® Impact-Resistant Glass



Vertical Section – Stationary
Monolithic Impact-Resistant Glass



Vertical Section – Active
Retractable Insect Screen
Low-E4® Impact-Resistant Glass



Vertical Section – Active
Retractable Insect Screen
Low-E4® Impact-Resistant Glass

See pages 123-126 for horizontal and vertical joining details.

- 4 9/16" (116) jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

Table of Frenchwood® Patio Door Transoms, Sidelight Transoms, Sidelights & Venting Transom Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Transom/Sidelight Dimension	1'-2 1/4" (362)	1'-6 1/4" (464)	2'-0 1/8" (612)	2'-6 1/8" (765)	2'-8 1/8" (816)	3'-0 1/8" (918)	3'-2 1/8" (968)	3'-11 1/4" (1200)	4'-11 1/4" (1505)	5'-3 1/4" (1607)
Minimum Rough Opening	1'-3" (381)	1'-7" (483)	2'-1" (635)	2'-7" (787)	2'-9" (838)	3'-1" (940)	3'-3" (991)	4'-0" (1219)	5'-0" (1524)	5'-4" (1626)
CUSTOM WIDTHS AVAILABLE — Vary based on transom style. Sash-set only.										
CUSTOM HEIGHTS AVAILABLE — Vary based on transom style. Sash-set only.	Unobstructed Glass (single sash only)									
	11 1/4" (286)	1'-0" (305)	3 3/8" (87)							
	11 1/4" (286)	1'-0" (305)	3 3/8" (87)							
	11 1/4" (286)	1'-0" (305)	7 5/8" (193)							
	1'-3 1/4" (387)	1'-4" (406)	7 3/8" (188)							
	1'-3 1/4" (387)	1'-4" (406)	7 3/8" (188)							
	1'-3 1/4" (387)	1'-4" (406)	8 5/8" (219)							
	1'-3 1/4" (387)	1'-4" (406)	11 5/8" (294)							
	1'-7 1/4" (489)	1'-8" (508)	11 3/8" (290)							
	1'-7 1/4" (489)	1'-8" (508)	12 5/8" (321)							
	1'-7 1/4" (489)	1'-8" (508)	15 5/8" (396)							
	1'-11 1/4" (591)	2'-0" (610)	15 3/8" (391)							
	1'-11 1/4" (591)	2'-0" (610)	15 3/8" (391)							
FWSLTD-1-1310 6 3/8" (163) FWSLTD-1-1710 10 3/8" (264) FWTD-1-2110 12 7/8" (327) FWTD-1-2710 18 7/8" (479) FWTD-1-2910 20 7/8" (530) FWTD-1-3110 24 7/8" (632) FWTD-1-3310 26 7/8" (683) FWTD-1-4010 36" (915) FWTD-1-5010 48" (1220) FWTD-1-5410 52" (1322)										
FWSTD1310 10 5/8" (269) FWSTD1710 14 5/8" (371) FWTDS2110 20 7/16" (519) FWTDS2710 26 7/16" (672) FWTDS2910 28 7/16" (722) FWTDS3110 32 7/16" (824) FWTDS3310 34 7/16" (875) FWTDS4010 43 5/8" (1107) FWTDS5010 55 5/8" (1412) FWTDS5410 59 5/8" (1514)										
FWSLTD-1-1314 6 3/8" (163) FWSLTD-1-1714 10 3/8" (264) FWTD-1-2114 12 7/8" (327) FWTD-1-2714 18 7/8" (479) FWTD-1-2914 20 7/8" (530) FWTD-1-3114 24 7/8" (632) FWTD-1-3314 26 7/8" (683) FWTD-1-4014 36" (915) FWTD-1-5014 48" (1220) FWTD-1-5414 52" (1322)										
FWSTD1314 10 5/8" (269) FWSTD1714 14 5/8" (371) FWTDS2114 20 7/16" (519) FWTDS2714 26 7/16" (672) FWTDS2914 28 7/16" (722) FWTDS3114 32 7/16" (824) FWTDS3314 34 7/16" (875) FWTDS4014 43 5/8" (1107) FWTDS5014 55 5/8" (1412) FWTDS5414 59 5/8" (1514)										
ATV2114 17 5/8" (448) ATV2714 23 5/8" (600) ATV2914 25 5/8" (651) ATV3114 29 5/8" (752) ATV3314 31 5/8" (803) ATV4014 40 5/8" (1032) ATV5014 52 5/8" (1337) ATV5414 56 5/8" (1438)										
FWSLTD-1-1318 6 3/8" (163) FWSLTD-1-1718 10 3/8" (264) FWTD-1-2118 12 7/8" (327) FWTD-1-2718 18 7/8" (479) FWTD-1-2918 20 7/8" (530) FWTD-1-3118 24 7/8" (632) FWTD-1-3318 26 7/8" (683) FWTD-1-4018 36" (915) FWTD-1-5018 48" (1220) FWTD-1-5418 52" (1322)										
FWSTD1318 10 5/8" (269) FWSTD1718 14 5/8" (371) FWTDS2118 20 7/16" (519) FWTDS2718 26 7/16" (672) FWTDS2918 28 7/16" (722) FWTDS3118 32 7/16" (824) FWTDS3318 34 7/16" (875) FWTDS4018 43 5/8" (1107) FWTDS5018 55 5/8" (1412) FWTDS5418 59 5/8" (1514)										
ATV2118 17 5/8" (448) ATV2718 23 5/8" (600) ATV2918 25 5/8" (651) ATV3118 29 5/8" (752) ATV3318 31 5/8" (803) ATV4018 40 5/8" (1032) ATV5018 52 5/8" (1337) ATV5418 56 5/8" (1438)										
FWSLTD-1-1320 6 3/8" (163) FWSLTD-1-1720 10 3/8" (264) FWTD-1-2120 12 7/8" (327) FWTD-1-2720 18 7/8" (479) FWTD-1-2920 20 7/8" (530) FWTD-1-3120 24 7/8" (632) FWTD-1-3320 26 7/8" (683) FWTD-1-4020 36" (915) FWTD-1-5020 48" (1220) FWTD-1-5420 52" (1322)										
FWSTD1320 10 5/8" (269) FWSTD1720 14 5/8" (371) FWTDS2120 20 7/16" (519) FWTDS2720 26 7/16" (672) FWTDS2920 28 7/16" (722) FWTDS3120 32 7/16" (824) FWTDS3320 34 7/16" (875) FWTDS4020 43 5/8" (1107) FWTDS5020 55 5/8" (1412) FWTDS5420 59 5/8" (1514)										
FWTD-2-4010 12 7/8" (327) FWTD-2-5010 18 7/8" (479) FWTD-2-5410 20 7/8" (530) FWTD-2-4014 12 7/8" (327) FWTD-2-5014 18 7/8" (479) FWTD-2-5414 20 7/8" (530) FWTD-2-4018 12 7/8" (327) FWTD-2-5018 18 7/8" (479) FWTD-2-5418 20 7/8" (530) FWTD-2-4020 12 7/8" (327) FWTD-2-5020 18 7/8" (479) FWTD-2-5420 20 7/8" (530)										

Notes on this page also apply to the previous page. Sidelight and transom sizes on pages 116-119.

5'-11 1/4" (1810)	6'-3 1/4" (1911)	6'-11 1/4" (2114)	7'-10 7/16" (2398)	7'-11 1/4" (2419)	8'-10 7/16" (2703)
6'-0" (1829)	6'-4" (1930)	7'-0" (2133)	7'-11" (2413)	8'-0" (2438)	8'-11" (2717)

60" (1525)	64" (1626)	72" (1830)	83 3/16" (2113)	84" (2134)	95 3/16" (2418)
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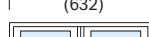
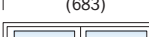
 FWTD-1-6010 24 7/8" (632)	 FWTD-1-6410 26 7/8" (683)	 FWTD-1-7010	 FWTD-1-71110 20 7/8" (530)	 FWTD-1-8010	 FWTD-1-81110 24 7/8" (632)
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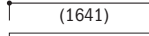
 FWTD-2-6010 67 5/8" (1717)	 FWTD-2-6410 71 5/8" (1818)	 FWTD-2-7010 79 5/8" (2022)	 FWTD-2-71110 90 3/4" (2305)	 FWTD-2-8010 91 5/8" (2326)	 FWTD-2-81110 102 3/4" (2610)
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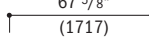
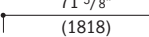
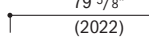
 FWTDS6010	 FWTDS6410	 FWTDS7010	 FWTDS71110	 FWTDS8010	 FWTDS81110
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60" (1525)	64" (1626)	72" (1830)	83 3/16" (2113)	84" (2134)	95 3/16" (2418)
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 FWTD-1-6014 24 7/8" (632)	 FWTD-1-6414 26 7/8" (683)	 FWTD-1-7014	 FWTD-1-71114 20 7/8" (530)	 FWTD-1-8014	 FWTD-1-81114 24 7/8" (632)
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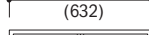
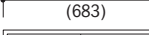
 FWTD-2-6014 64 5/8" (1641)	 FWTD-2-6414		 FWTD-2-71114		 FWTD-2-81114
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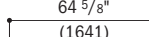
 ATV6014 67 5/8" (1717)	 FWTDS6414 71 5/8" (1818)	 FWTDS7014 79 5/8" (2022)	 FWTDS71114 90 3/4" (2305)	 FWTDS8014 91 5/8" (2326)	 FWTDS81114 102 3/4" (2610)
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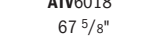
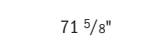
 FWTDS6014	 FWTDS6414	 FWTDS7014	 FWTDS71114	 FWTDS8014	 FWTDS81114
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60" (1525)	64" (1626)	72" (1830)	83 3/16" (2113)	84" (2134)	95 3/16" (2418)
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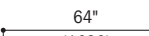
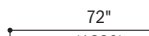
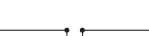
 FWTD-1-6018 24 7/8" (632)	 FWTD-1-6418 26 7/8" (683)	 FWTD-1-7018	 FWTD-1-71118 20 7/8" (530)	 FWTD-1-8018	 FWTD-1-81118 24 7/8" (632)
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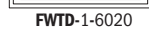
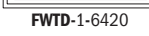
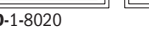
 FWTD-2-6018 64 5/8" (1641)	 FWTD-2-6418		 FWTD-2-71118		 FWTD-2-81118
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 ATV6018 67 5/8" (1717)	 FWTDS6418 71 5/8" (1818)	 FWTDS7018 79 5/8" (2022)	 FWTDS71118 90 3/4" (2305)	 FWTDS8018 91 5/8" (2326)	 FWTDS81118 102 3/4" (2610)
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 FWTDS6018	 FWTDS6418	 FWTDS7018	 FWTDS71118	 FWTDS8018	 FWTDS81118
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60" (1525)	64" (1626)	72" (1830)	83 3/16" (2113)	84" (2134)	95 3/16" (2418)
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 FWTD-1-6020 24 7/8" (632)	 FWTD-1-6420 26 7/8" (683)	 FWTD-1-7020	 FWTD-1-71120 20 7/8" (530)	 FWTD-1-8020	 FWTD-1-81120 24 7/8" (632)
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 FWTD-2-6020	 FWTD-2-6420		 FWTD-2-71120		 FWTD-2-81120
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 FWTD-2-6020	 FWTD-2-6420		 FWTD-2-71120		 FWTD-2-81120
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continued on next page



Custom-size sash-set patio door transoms and sidelights are available in 1/8" (3) increments. See page 128 for custom sizes and specifications. Direct-set transoms are not available in custom sizes.

Choose direct-set transom (**FWTDS**), sash-set transom (**FWTD-1**, **FWTD-2**, **FWTD-3**), venting transom window (**ATV**), direct-set sidelight transom (**FWTDS**), sash-set sidelight transom (**FWSLTD**) or sidelight (**FWSLD**). Sidelights are shown on the next page.

Venting transom window must be installed to vent as shown and should not be rotated and used as a hopper.

Grille patterns shown on page 122.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.

Table of Frenchwood® Patio Door Transoms, Sidelight Transoms, Sidelights & Venting Transom Window Sizes (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Transom/Sidelight Dimension	1'-2 1/4" (362)	1'-6 1/4" (464)	2'-0 1/8" (612)	2'-6 1/8" (765)	2'-8 1/8" (816)	3'-0 1/8" (918)	3'-2 1/8" (968)	3'-11 1/4" (1200)	4'-11 1/4" (1505)	5'-3 1/4" (1607)
Minimum Rough Opening	1'-3" (381)	1'-7" (483)	2'-1" (635)	2'-7" (787)	2'-9" (838)	3'-1" (940)	3'-3" (991)	4'-0" (1219)	5'-0" (1524)	5'-4" (1626)

CUSTOM WIDTHS AVAILABLE – Vary based on transom style. Sash-set only.

Unobstructed Glass (single sash only)	1'-11 1/4" (591)	2'-0" (610)	2'-5 8" (642)	2'-11 1/4" (591)	2'-0" (610)	2'-5 8" (642)	2'-11 1/4" (591)	2'-0" (610)	2'-5 8" (642)	2'-11 1/4" (591)
FWSTD-1-1320	10 5/8" (269)	14 5/8" (371)	20 7/16" (519)	26 7/16" (672)	28 7/16" (722)	32 7/16" (824)	34 7/16" (875)	43 5/8" (1107)	55 5/8" (1412)	59 5/8" (1514)
FWSTD-1-1720	6 3/8" (163)	10 3/8" (264)	12 3/8" (327)	18 7/8" (479)	20 7/8" (530)	24 7/8" (632)	26 7/8" (683)	36" (915)	48" (1220)	52" (1322)
FWSTD-2-1210	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-2-1720	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-2-2920	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-3-1210	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-3-3320	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-4-020	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-5-020	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-5-420	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-1-1324	10 5/8" (269)	14 5/8" (371)	20 7/16" (519)	26 7/16" (672)	28 7/16" (722)	32 7/16" (824)	34 7/16" (875)	43 5/8" (1107)	55 5/8" (1412)	59 5/8" (1514)
FWSTD-1-1724	6 3/8" (163)	10 3/8" (264)	12 3/8" (327)	18 7/8" (479)	20 7/8" (530)	24 7/8" (632)	26 7/8" (683)	36" (915)	48" (1220)	52" (1322)
FWSTD-1-2124	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-1-2724	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-1-2924	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-1-3124	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-1-3324	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-1-4024	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-1-5024	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-1-5424	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-2-4024	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-2-5024	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-2-5424	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-2-1214	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-2-1724	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-2-2924	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-3-1214	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-3-3324	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-4-024	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-5-024	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		
FWSTD-5-424	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)		

CUSTOM WIDTHS – 1'-2 1/4" to 1'-6 1/4"

FWSLD-1-1368	6 3/8" (163)	10 3/8" (264)
FWSLD-1-1768	6 3/8" (163)	10 3/8" (264)
FWSLD-1-13611	6 3/8" (163)	10 3/8" (264)
FWSLD-1-17611	6 3/8" (163)	10 3/8" (264)
FWSLD-1-1380	6 3/8" (163)	10 3/8" (264)
FWSLD-1-1780	6 3/8" (163)	10 3/8" (264)

Sash-Set Frenchwood® Patio Door Sidelight Transom & Transom Area Specifications

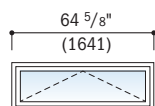
Sidelight Transom/Transom Number	Glass Area Sq. Ft./ (m²)	Overall Sidelight Transom/Transom Area Sq. Ft./ (m²)
FWSLD-1310	0.15 (0.01)	1.11 (0.10)
FWSLD-1314	0.33 (0.03)	1.51 (0.14)
FWSLD-1318	0.51 (0.05)	1.90 (0.18)
FWSLD-1320	0.69 (0.06)	2.30 (0.21)
FWSLD-1324	0.86 (0.08)	2.70 (0.25)
FWSLD-1710	0.25 (0.02)	1.43 (0.13)
FWSLD-1714	0.54 (0.05)	1.93 (0.18)
FWSLD-1718	0.82 (0.08)	2.44 (0.23)
FWSLD-1720	1.11 (0.10)	2.95 (0.27)
FWSLD-1724	1.40 (0.13)	3.45 (0.32)
FWTD-1-2110	0.30 (0.03)	1.88 (0.17)
FWTD-1-2114	0.66 (0.06)	2.55 (0.24)
FWTD-1-2118	1.02 (0.09)	3.22 (0.30)
FWTD-1-2120	1.38 (0.13)	3.89 (0.36)
FWTD-1-2124	1.73 (0.16)	4.56 (0.42)
FWTD-1-2710	0.45 (0.04)	2.35 (0.22)
FWTD-1-2714	0.97 (0.09)	3.19 (0.30)
FWTD-1-2718	1.49 (0.14)	4.02 (0.37)
FWTD-1-2720	2.02 (0.19)	4.86 (0.45)
FWTD-1-2724	2.54 (0.24)	5.69 (0.53)

Sidelight Transom/Transom Number	Glass Area Sq. Ft./ (m²)	Overall Sidelight Transom/Transom Area Sq. Ft./ (m²)
FWTD-1-2910	0.49 (0.05)	2.51 (0.23)
FWTD-1-2914	1.07 (0.10)	3.40 (0.32)
FWTD-1-2918	1.65 (0.15)	4.29 (0.40)
FWTD-1-2920	2.23 (0.21)	5.18 (0.48)
FWTD-1-2924	2.81 (0.26)	6.07 (0.56)
FWTD-1-3110	0.59 (0.05)	2.82 (0.26)
FWTD-1-3114	1.28 (0.12)	3.82 (0.35)
FWTD-1-3118	1.97 (0.18)	4.83 (0.45)
FWTD-1-3120	2.66 (0.25)	5.83 (0.54)
FWTD-1-3124	3.35 (0.31)	6.83 (0.63)
FWTD-1-3310	0.64 (0.06)	2.98 (0.28)
FWTD-1-3314	1.38 (0.13)	4.03 (0.37)
FWTD-1-3318	2.13 (0.20)	5.09 (0.47)
FWTD-1-3320	2.88 (0.27)	6.15 (0.57)
FWTD-1-3324	3.62 (0.34)	7.21 (0.67)
FWTD-1-4010	0.85 (0.08)	3.69 (0.34)
FWTD-2-4010	0.61 (0.06)	3.69 (0.34)
FWTD-1-4014	1.85 (0.17)	5.00 (0.46)
FWTD-2-4014	1.32 (0.12)	5.00 (0.46)

• Dimensions in parentheses are in square meters.

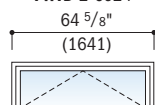
Notes on this page also apply to the previous page. Sidelight and transom sizes on pages 116-119.

5'-11 1/4" (1810)	6'-3 1/4" (1911)	6'-11 1/4" (2114)	7'-10 7/16" (2398)	7'-11 1/4" (2419)	8'-10 7/16" (2703)
6'-0" (1829)	6'-4" (1930)	7'-0" (2133)	7'-11" (2413)	8'-0" (2438)	8'-11" (2717)



67 5/8" (1717)	71 5/8" (1818)	79 5/8" (2022)	90 3/4" (2305)	91 5/8" (2326)	102 3/4" (2610)
FWTDS6020	FWTDS6420	FWTDS7020	FWTDS71120	FWTDS8020	FWTDS81120

60" (1525)	64" (1626)	72" (1830)	83 3/16" (2113)	84" (2134)	95 3/16" (2418)
FWTD-1-6024	FWTD-1-6424	FWTD-1-7024	FWTD-1-71124	FWTD-1-8024	FWTD-1-81124
24 7/8" (632)	26 7/8" (683)		20 7/8" (530)		24 7/8" (632)
FWTD-2-6024	FWTD-2-6424		FWTD-3-71124		FWTD-3-81124



67 5/8" (1717)	71 5/8" (1818)	79 5/8" (2022)	90 3/4" (2305)	91 5/8" (2326)	102 3/4" (2610)
FWTDS6024	FWTDS6424	FWTDS7024	FWTDS71124	FWTDS8024	FWTDS81124



Custom-size sash-set patio door transoms and sidelights are available in 1/8" (3) increments. See page 128 for custom sizes and specifications.

Direct-set transoms are not available in custom sizes.

Venting transom window must be installed to vent as shown and should not be rotated and used as a hopper.

Grille patterns shown on page 122.

Sash-Set Frenchwood® Patio Door Sidelight Transom & Transom Area Specifications

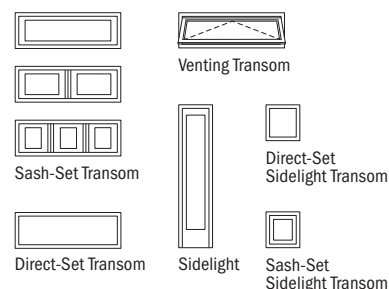
Sidelight Transom/ Transom Number	Glass Area Sq. Ft./ (m²)	Overall Sidelight Transom/Transom Area Sq. Ft./ (m²)
FWTD-1-4018	2.85 (0.26)	6.32 (0.59)
FWTD-2-4018	2.04 (0.19)	6.32 (0.59)
FWTD-1-4020	3.85 (0.36)	7.63 (0.71)
FWTD-2-4020	2.75 (0.26)	7.63 (0.71)
FWTD-1-4024	4.86 (0.45)	8.94 (0.83)
FWTD-2-4024	3.47 (0.32)	8.94 (0.83)
FWTD-1-5010	1.14 (0.11)	4.63 (0.43)
FWTD-2-5010	0.89 (0.08)	4.63 (0.43)
FWTD-1-5014	2.47 (0.23)	6.27 (0.58)
FWTD-2-5014	1.94 (0.18)	6.27 (0.58)
FWTD-1-5018	3.80 (0.35)	7.92 (0.74)
FWTD-2-5018	2.99 (0.28)	7.92 (0.74)
FWTD-1-5020	5.14 (0.48)	9.57 (0.89)
FWTD-2-5020	4.04 (0.38)	9.57 (0.89)
FWTD-1-5024	6.47 (0.60)	11.21 (1.04)
FWTD-2-5024	5.09 (0.47)	11.21 (1.04)
FWTD-1-5410	1.23 (0.11)	4.94 (0.46)
FWTD-2-5410	0.99 (0.09)	4.94 (0.46)
FWTD-1-5414	2.68 (0.25)	6.70 (0.62)
FWTD-2-5414	2.15 (0.20)	6.70 (0.62)

Sidelight Transom/ Transom Number	Glass Area Sq. Ft./ (m²)	Overall Sidelight Transom/Transom Area Sq. Ft./ (m²)
FWTD-1-5418	4.12 (0.38)	8.46 (0.79)
FWTD-2-5418	3.31 (0.31)	8.46 (0.79)
FWTD-1-5420	5.57 (0.52)	10.21 (0.95)
FWTD-2-5420	4.47 (0.42)	10.21 (0.95)
FWTD-1-5424	7.01 (0.65)	11.97 (1.11)
FWTD-2-5424	5.63 (0.52)	11.97 (1.11)
FWTD-1-6010	1.42 (0.13)	5.57 (0.52)
FWTD-2-6010	1.18 (0.11)	5.57 (0.52)
FWTD-1-6014	3.09 (0.29)	7.55 (0.70)
FWTD-2-6014	2.56 (0.24)	7.55 (0.70)
FWTD-1-6018	4.75 (0.44)	9.52 (0.88)
FWTD-2-6018	3.94 (0.37)	9.52 (0.88)
FWTD-1-6020	6.42 (0.60)	11.50 (1.07)
FWTD-2-6020	5.32 (0.49)	11.50 (1.07)
FWTD-1-6024	8.09 (0.75)	13.48 (1.25)
FWTD-2-6024	6.70 (0.62)	13.48 (1.25)
FWTD-1-6410	1.51 (0.14)	5.88 (0.55)
FWTD-2-6410	1.27 (0.12)	5.88 (0.55)
FWTD-1-6414	3.29 (0.31)	7.97 (0.74)

• Dimensions in parentheses are in square meters.

continued on next page

Choose direct-set transom (FWTDS), sash-set transom (FWTD-1, FWTD-2, FWTD-3), venting transom window (ATV), direct-set sidelight transom (FWSTDS), sash-set sidelight transom (FWSLTD) or sidelight (FWSLD).



- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.

Sash-Set Frenchwood® Patio Door Sidelight Transom & Transom Area Specifications *(continued)*

Sidelight Transom/ Transom Number	Glass Area Sq. Ft./ (m ²)	Overall Sidelight Transom/Transom Area Sq. Ft./ (m ²)
FWTD-2-6414	2.76 (0.26)	7.97 (0.74)
FWTD-1-6418	5.07 (0.47)	10.06 (0.93)
FWTD-2-6418	4.26 (0.40)	10.06 (0.93)
FWTD-1-6420	6.85 (0.64)	12.15 (1.13)
FWTD-2-6420	5.75 (0.53)	12.15 (1.13)
FWTD-1-6424	8.63 (0.80)	14.24 (1.32)
FWTD-2-6424	7.24 (0.67)	14.24 (1.32)
FWTD-1-7010	1.70 (0.16)	6.50 (0.60)
FWTD-1-7014	3.70 (0.34)	8.82 (0.82)
FWTD-1-7018	5.71 (0.53)	11.13 (1.03)
FWTD-1-7020	7.71 (0.72)	13.44 (1.25)
FWTD-1-7024	9.71 (0.90)	15.75 (1.46)
FWTD-1-71110	1.97 (0.18)	7.38 (0.69)
FWTD-3-71110	1.48 (0.14)	7.38 (0.69)
FWTD-1-71114	4.28 (0.40)	10.00 (0.93)
FWTD-3-71114	3.22 (0.30)	10.00 (0.93)
FWTD-1-71118	6.59 (0.61)	12.62 (1.17)
FWTD-3-71118	4.95 (0.46)	12.62 (1.17)
FWTD-1-71120	8.90 (0.83)	15.24 (1.42)
FWTD-3-71120	6.69 (0.62)	15.24 (1.42)
FWTD-1-71124	11.21 (1.04)	17.87 (1.66)
FWTD-3-71124	8.43 (0.78)	17.87 (1.66)
FWTD-1-8010	1.99 (0.18)	7.44 (0.69)
FWTD-1-8014	4.32 (0.40)	10.09 (0.94)
FWTD-1-8018	6.66 (0.62)	12.73 (1.18)
FWTD-1-8020	8.99 (0.84)	15.38 (1.43)
FWTD-1-8024	11.32 (1.05)	18.02 (1.67)
FWTD-1-81110	2.25 (0.21)	8.31 (0.77)
FWTD-3-81110	1.76 (0.16)	8.31 (0.77)
FWTD-1-81114	4.90 (0.46)	11.27 (1.05)
FWTD-3-81114	3.83 (0.36)	11.27 (1.05)
FWTD-1-81118	7.54 (0.70)	14.22 (1.32)
FWTD-3-81118	5.90 (0.55)	14.22 (1.32)
FWTD-1-81120	10.18 (0.95)	17.18 (1.60)
FWTD-3-81120	7.97 (0.74)	17.18 (1.60)
FWTD-1-81124	12.83 (1.19)	20.14 (1.87)
FWTD-3-81124	10.05 (0.93)	20.14 (1.87)
FWTD-1-9610	2.39 (0.22)	8.78 (0.82)
FWTD-3-9610	1.91 (0.18)	8.78 (0.82)
FWTD-1-9614	5.20 (0.48)	11.90 (1.11)
FWTD-3-9614	4.14 (0.38)	11.90 (1.11)
FWTD-1-9618	8.01 (0.74)	15.03 (1.40)
FWTD-3-9618	6.38 (0.59)	15.03 (1.40)
FWTD-1-9620	10.83 (1.01)	18.15 (1.69)
FWTD-3-9620	8.62 (0.80)	18.15 (1.69)
FWTD-1-9624	13.64 (1.27)	21.27 (1.98)
FWTD-3-9624	10.85 (1.01)	21.27 (1.98)

Frenchwood® Patio Sidelight Area Specifications

Sidelight Number	Glass Area Sq. Ft./ (m ²)	Overall Sidelight Area Sq. Ft./ (m ²)
FWSLD1368	2.82 (0.26)	7.87 (0.73)
FWSLD13611	2.95 (0.27)	8.15 (0.76)
FWSLD1380	3.53 (0.33)	9.45 (0.88)
FWSLD1768	4.58 (0.43)	10.08 (0.94)
FWSLD17611	4.79 (0.45)	10.44 (0.97)
FWSLD1780	5.74 (0.53)	12.10 (1.12)

Direct-Set Frenchwood® Patio Door Sidelight Transom & Transom Area Specifications

Sidelight Transom/ Transom Number	Glass Area Sq. Ft./ (m ²)	Overall Sidelight Transom/Transom Area Sq. Ft./ (m ²)
FWTDS1310	0.56 (0.05)	1.11 (0.10)
FWTDS1314	0.85 (0.08)	1.51 (0.14)
FWTDS1318	1.15 (0.11)	1.90 (0.18)
FWTDS1320	1.44 (0.13)	2.30 (0.21)
FWTDS1324	1.74 (0.16)	2.70 (0.25)
FWTDS1710	0.77 (0.07)	1.43 (0.13)
FWTDS1714	1.18 (0.11)	1.93 (0.18)
FWTDS1718	1.58 (0.15)	2.44 (0.23)
FWTDS1720	1.99 (0.18)	2.95 (0.27)
FWTDS1724	2.39 (0.22)	3.45 (0.32)
FWTDS2110	1.08 (0.10)	1.88 (0.17)
FWTDS2114	1.65 (0.15)	2.55 (0.24)
FWTDS2118	2.21 (0.21)	3.22 (0.30)
FWTDS2120	2.78 (0.26)	3.89 (0.36)

Sidelight Transom/ Transom Number	Glass Area Sq. Ft./ (m ²)	Overall Sidelight Transom/Transom Area Sq. Ft./ (m ²)
FWTDS2124	3.35 (0.31)	4.56 (0.42)
FWTDS2710	1.39 (0.13)	2.35 (0.22)
FWTDS2714	2.13 (0.20)	3.19 (0.30)
FWTDS2718	2.86 (0.27)	4.02 (0.37)
FWTDS2720	3.60 (0.33)	4.86 (0.45)
FWTDS2724	4.33 (0.40)	5.69 (0.53)
FWTDS2910	1.50 (0.14)	2.51 (0.23)
FWTDS2914	2.29 (0.21)	3.40 (0.32)
FWTDS2918	3.08 (0.29)	4.29 (0.40)
FWTDS2920	3.87 (0.36)	5.18 (0.48)
FWTDS2924	4.66 (0.43)	6.07 (0.56)
FWTDS3110	1.71 (0.16)	2.82 (0.26)
FWTDS3114	2.61 (0.24)	3.82 (0.36)

• Dimensions in parentheses are in square meters.

continued on next page

Venting Transom Window Opening and Area Specifications

Window Number	Clear Opening Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/(mm)	Height Inches/(mm)				
ATV2114	0.79 (0.07)	19 3/16" (487)	5 7/8" (149)	1.04 (0.10)	0.79 (0.07)	69 1/2" (1765)	2.56 (0.24)
ATV2714	1.03 (0.10)	25 3/16" (640)	5 7/8" (149)	1.40 (0.13)	1.03 (0.10)	69 1/2" (1765)	3.19 (0.30)
ATV2914	1.11 (0.10)	27 3/16" (691)	5 7/8" (149)	1.52 (0.14)	1.11 (0.10)	69 1/2" (1765)	3.40 (0.32)
ATV3114	1.28 (0.12)	31 3/16" (792)	5 7/8" (149)	1.76 (0.16)	1.28 (0.12)	69 1/2" (1765)	3.83 (0.36)
ATV3314	1.36 (0.13)	33 3/16" (843)	5 7/8" (149)	1.88 (0.17)	1.36 (0.13)	69 1/2" (1765)	4.04 (0.38)
ATV4014	1.73 (0.16)	42 5/16" (1075)	5 7/8" (149)	2.43 (0.23)	1.73 (0.16)	69 1/2" (1765)	5.00 (0.46)
ATV5014	2.22 (0.21)	54 5/16" (1380)	5 7/8" (149)	3.14 (0.29)	2.22 (0.21)	69 1/2" (1765)	6.28 (0.58)
ATV5414	2.39 (0.22)	58 5/16" (1481)	5 7/8" (149)	3.38 (0.31)	2.39 (0.22)	69 1/2" (1765)	6.70 (0.62)
ATV6014	2.71 (0.25)	66 5/16" (1684)	5 7/8" (149)	3.86 (0.36)	2.71 (0.25)	69 1/2" (1765)	7.55 (0.70)
ATV2118	0.79 (0.07)	19 3/16" (487)	5 7/8" (149)	1.53 (0.14)	0.79 (0.07)	65 1/2" (1664)	3.23 (0.30)
ATV2718	1.03 (0.10)	25 3/16" (640)	5 7/8" (149)	2.05 (0.19)	1.03 (0.10)	65 1/2" (1664)	4.03 (0.37)
ATV2918	1.11 (0.10)	27 3/16" (691)	5 7/8" (149)	2.23 (0.21)	1.11 (0.10)	65 1/2" (1664)	4.29 (0.40)
ATV3118	1.28 (0.12)	31 3/16" (792)	5 7/8" (149)	2.58 (0.24)	1.28 (0.12)	65 1/2" (1664)	4.83 (0.45)
ATV3318	1.36 (0.13)	33 3/16" (843)	5 7/8" (149)	2.75 (0.26)	1.36 (0.13)	65 1/2" (1664)	5.10 (0.47)
ATV4018	1.73 (0.16)	42 5/16" (1075)	5 7/8" (149)	3.55 (0.33)	1.73 (0.16)	65 1/2" (1664)	6.32 (0.59)
ATV5018	2.22 (0.21)	54 5/16" (1380)	5 7/8" (149)	4.60 (0.43)	2.22 (0.21)	65 1/2" (1664)	7.92 (0.74)
ATV5418	2.39 (0.22)	58 5/16" (1481)	5 7/8" (149)	4.95 (0.46)	2.39 (0.22)	65 1/2" (1664)	8.46 (0.79)
ATV6018	2.71 (0.25)	66 5/16" (1684)	5 7/8" (149)	5.65 (0.52)	2.71 (0.25)	65 1/2" (1664)	9.53 (0.89)
ATV2120	0.79 (0.07)	19 3/16" (487)	5 7/8" (149)	2.01 (0.19)	0.79 (0.07)	61 1/2" (1562)	3.90 (0.36)
ATV2720	1.03 (0.10)	25 3/16" (640)	5 7/8" (149)	2.71 (0.25)	1.03 (0.10)	61 1/2" (1562)	4.86 (0.45)
ATV2920	1.11 (0.10)	27 3/16" (691)	5 7/8" (149)	2.94 (0.27)	1.11 (0.10)	61 1/2" (1562)	5.19 (0.48)
ATV3120	1.28 (0.12)	31 3/16" (792)	5 7/8" (149)	3.40 (0.32)	1.28 (0.12)	61 1/2" (1562)	5.83 (0.54)
ATV3320	1.36 (0.13)	33 3/16" (843)	5 7/8" (149)	3.63 (0.34)	1.36 (0.13)	61 1/2" (1562)	6.16 (0.57)
ATV4020	1.73 (0.16)	42 5/16" (1075)	5 7/8" (149)	4.68 (0.44)	1.73 (0.16)	61 1/2" (1562)	7.63 (0.71)
ATV5020	2.22 (0.21)	54 5/16" (1380)	5 7/8" (149)	6.06 (0.56)	2.22 (0.21)	61 1/2" (1562)	9.57 (0.89)
ATV5420	2.39 (0.22)	58 5/16" (1481)	5 7/8" (149)	6.53 (0.61)	2.39 (0.22)	61 1/2" (1562)	10.21 (0.95)
ATV6020	2.71 (0.25)	66 5/16" (1684)	5 7/8" (149)	7.45 (0.69)	2.71 (0.25)	61 1/2" (1562)	1.07 (1.10)
ATV2124	0.79 (0.07)	19 3/16" (487)	5 7/8" (149)	2.50 (0.23)	0.79 (0.07)	57 1/2" (1461)	4.57 (0.42)
ATV2724	1.03 (0.10)	25 3/16" (640)	5 7/8" (149)	3.36 (0.31)	1.03 (0.10)	57 1/2" (1461)	5.70 (0.53)
ATV2924	1.11 (0.10)	27 3/16" (691)	5 7/8" (149)	3.64 (0.34)	1.11 (0.10)	57 1/2" (1461)	6.08 (0.56)
ATV3124	1.28 (0.12)	31 3/16" (792)	5 7/8" (149)	4.22 (0.39)	1.28 (0.12)	57 1/2" (1461)	6.84 (0.64)
ATV3324	1.36 (0.13)	33 3/16" (843)	5 7/8" (149)	4.50 (0.42)	1.36 (0.13)	57 1/2" (1461)	7.23 (0.67)
ATV4024	1.73 (0.16)	42 5/16" (1075)	5 7/8" (149)	5.81 (0.54)	1.73 (0.16)	57 1/2" (1461)	8.94 (0.83)
ATV5024	2.22 (0.21)	54 5/16" (1380)	5 7/8" (149)	7.53 (0.70)	2.22 (0.21)	57 1/2" (1461)	11.21 (1.04)
ATV5424	2.39 (0.22)	58 5/16" (1481)	5 7/8" (149)	8.10 (0.75)	2.39 (0.22)	57 1/2" (1461)	11.97 (1.11)
ATV6024	2.71 (0.25)	66 5/16" (1684)	5 7/8" (149)	9.24 (0.86)	2.71 (0.25)	57 1/2" (1461)	13.49 (1.25)

- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10" 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.

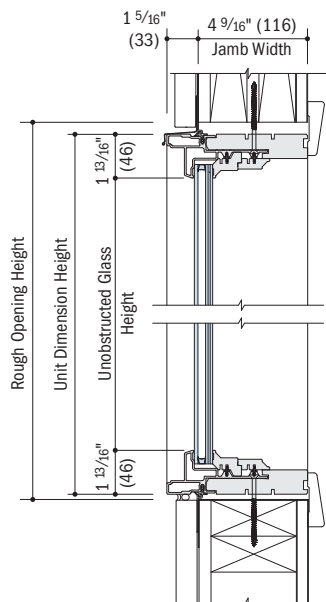
**Direct-Set Frenchwood® Patio Door
Sidelight Transom & Transom Area
Specifications** (continued)

Sidelight Transom/ Transom Number	Glass Area Sq. Ft./ (m ²)	Overall Sidelight Transom/Transom Area Sq. Ft./ (m ²)
FWTDS3118	3.51 (0.33)	4.83 (0.45)
FWTDS3120	4.41 (0.41)	5.83 (0.54)
FWTDS3124	5.31 (0.49)	6.83 (0.63)
FWTDS3310	1.82 (0.17)	2.98 (0.28)
FWTDS3314	2.77 (0.26)	4.03 (0.37)
FWTDS3318	3.73 (0.35)	5.09 (0.47)
FWTDS3320	4.69 (0.44)	6.15 (0.57)
FWTDS3324	5.64 (0.52)	7.21 (0.67)
FWTDS4010	2.30 (0.21)	3.69 (0.34)
FWTDS4014	3.51 (0.33)	5.00 (0.46)
FWTDS4018	4.72 (0.44)	6.32 (0.59)
FWTDS4020	5.93 (0.55)	7.63 (0.71)
FWTDS4024	7.14 (0.66)	8.94 (0.83)
FWTDS5010	2.93 (0.27)	4.63 (0.43)
FWTDS5014	4.48 (0.42)	6.27 (0.58)
FWTDS5018	6.02 (0.56)	7.92 (0.74)
FWTDS5020	7.56 (0.70)	9.57 (0.89)
FWTDS5024	9.11 (0.85)	11.21 (1.04)
FWTDS5410	3.14 (0.29)	4.94 (0.46)
FWTDS5414	4.80 (0.45)	6.70 (0.62)
FWTDS5418	6.45 (0.60)	8.46 (0.79)
FWTDS5420	8.11 (0.75)	10.21 (0.95)
FWTDS5424	9.76 (0.91)	11.97 (1.11)
FWTDS6010	3.56 (0.33)	5.57 (0.52)
FWTDS6014	5.44 (0.51)	7.55 (0.70)
FWTDS6018	7.32 (0.68)	9.52 (0.88)
FWTDS6020	9.20 (0.85)	11.50 (1.07)
FWTDS6024	11.08 (1.03)	13.48 (1.25)
FWTDS6410	3.78 (0.35)	5.88 (0.55)
FWTDS6414	5.76 (0.54)	7.97 (0.74)
FWTDS6418	7.75 (0.72)	10.06 (0.93)
FWTDS6420	9.74 (0.90)	12.15 (1.13)
FWTDS6424	11.73 (1.09)	14.24 (1.32)
FWTDS7010	4.20 (0.39)	6.50 (0.60)
FWTDS7014	6.41 (0.60)	8.82 (0.82)
FWTDS7018	8.62 (0.80)	11.13 (1.03)
FWTDS7020	10.83 (1.01)	13.44 (1.25)
FWTDS7024	13.04 (1.21)	15.75 (1.46)
FWTDS71110	4.79 (0.44)	7.38 (0.69)
FWTDS71114	7.31 (0.68)	10.00 (0.93)
FWTDS71118	9.83 (0.91)	12.62 (1.17)
FWTDS71120	12.35 (1.15)	15.24 (1.42)
FWTDS71124	14.87 (1.38)	17.87 (1.66)
FWTDS8010	4.83 (0.45)	7.44 (0.69)
FWTDS8014	7.37 (0.68)	10.09 (0.94)
FWTDS8018	9.92 (0.92)	12.73 (1.18)
FWTDS8020	12.46 (1.16)	15.38 (1.43)
FWTDS8024	15.01 (1.39)	18.02 (1.67)
FWTDS81110	5.42 (0.50)	8.31 (0.77)
FWTDS81114	8.27 (0.77)	11.27 (1.05)
FWTDS81118	11.13 (1.03)	14.22 (1.32)
FWTDS81120	13.98 (1.30)	17.18 (1.60)
FWTDS81124	16.84 (1.56)	20.14 (1.87)
FWTDS9610	5.74 (0.53)	8.78 (0.82)
FWTDS9614	8.76 (0.81)	11.90 (1.11)
FWTDS9618	11.78 (1.09)	15.03 (1.40)
FWTDS9620	14.80 (1.37)	18.15 (1.69)
FWTDS9624	17.82 (1.66)	21.27 (1.98)

• Dimensions in parentheses are in square meters.

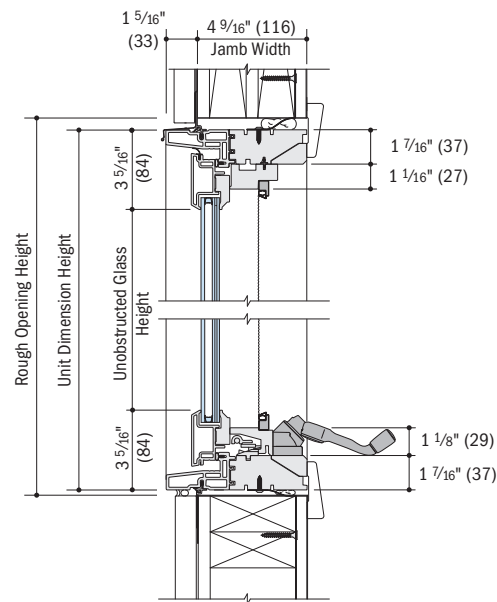
Venting Transom Window & Direct-Set Frenchwood® Patio Door Sidelight Transom & Transom Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



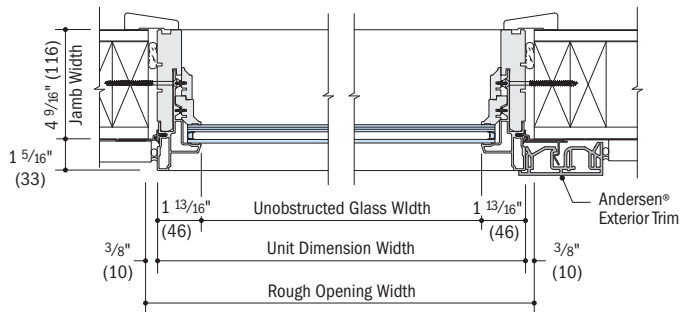
**Vertical Section - Direct-Set Sidelight Transom,
Direct-Set Transom**

Low-E4* Impact-Resistant Glass



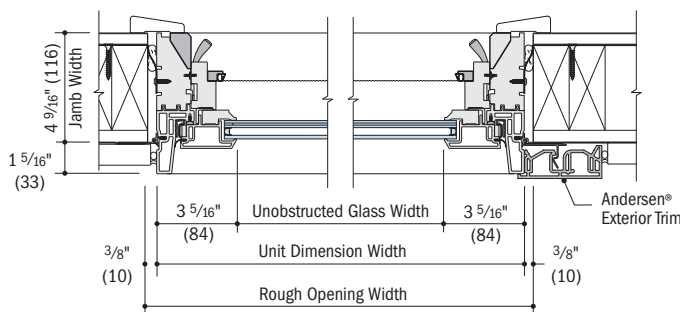
Vertical Section - Venting Transom

Low-E4* Impact-Resistant Glass



Horizontal Section - Direct-Set Sidelight Transom, Direct-Set Transom

Low-E4* Impact-Resistant Glass



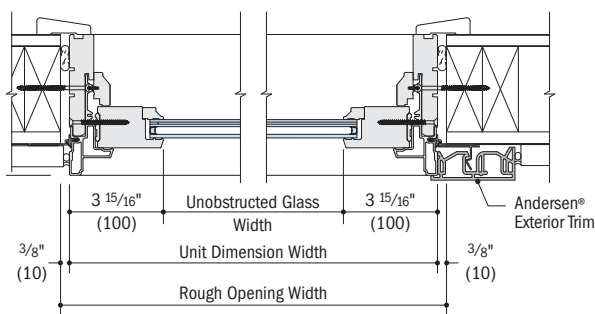
Horizontal Section - Venting Transom

Low-E4* Impact-Resistant Glass

- 4 9/16" (116) jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with transom, sidelight or window. Dark-colored areas are additional Andersen® parts required to complete transom, sidelight or window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

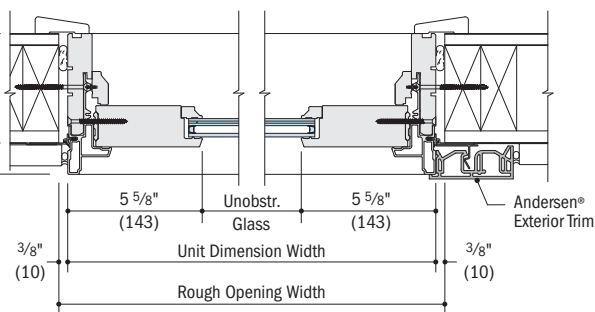
Frenchwood® Patio Door Sidelight & Sash-Set Frenchwood® Patio Door Sidelight Transom & Transom Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



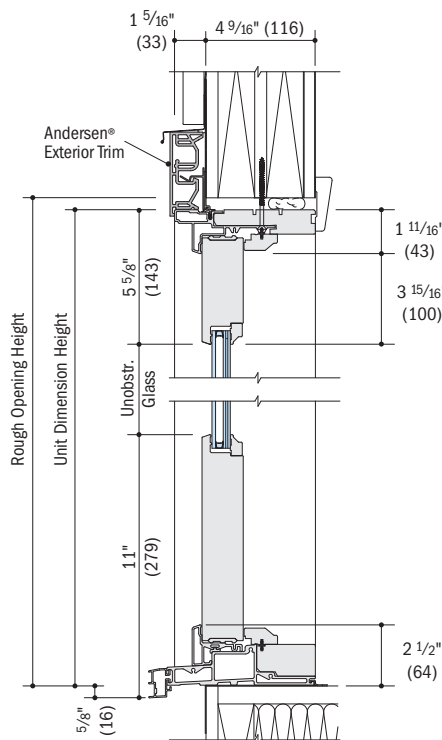
Horizontal Section - Sidelight, Sash-Set Sidelight Transom

Low-E4® Impact-Resistant Glass



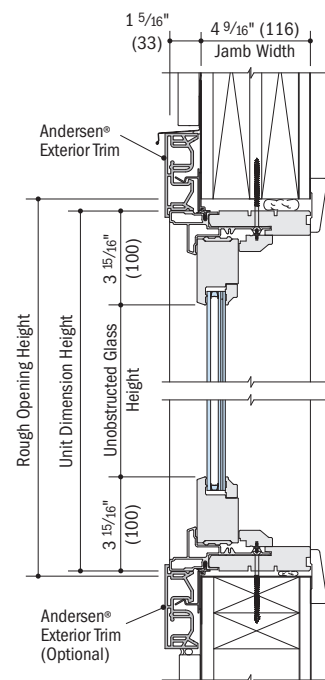
Horizontal Section - Sash-Set Transom

Low-E4® Impact-Resistant Glass



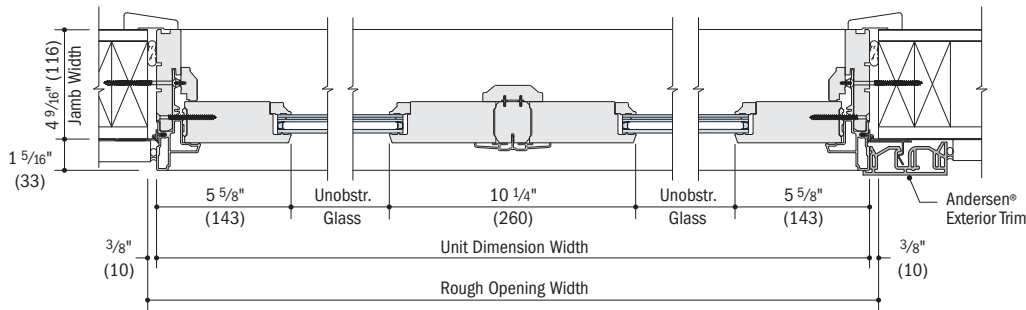
Vertical Section - Sidelight

Low-E4® Impact-Resistant Glass



Vertical Section - Sash-Set Sidelight Transom, Sash-Set Transom

Low-E4® Impact-Resistant Glass



Horizontal Section - Sash-Set Twin Transom

Low-E4® Impact-Resistant Glass

See pages 123-126 for horizontal and vertical joining details.

- 4 9/16" (116) jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with transom or sidelight. Dark-colored areas are additional Andersen® parts required to complete transom or sidelight assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

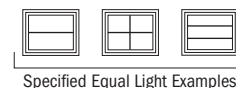
Grille Patterns

	Diamond	Prairie A	Colonial
Frenchwood® Patio Door Transoms			
Frenchwood® Patio Door Sidelights			

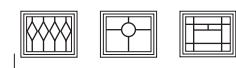
• Andersen® Finelight™ grilles available in 3/4" (19) profile only.

Number of lights and overall pattern varies with window size. Patterns shown may not be available for all sizes.

Specified equal light and custom patterns are also available. For more information on divided light see pages 18-19 or visit andersenwindows.com/grilles.



Specified Equal Light Examples



Custom Pattern Examples

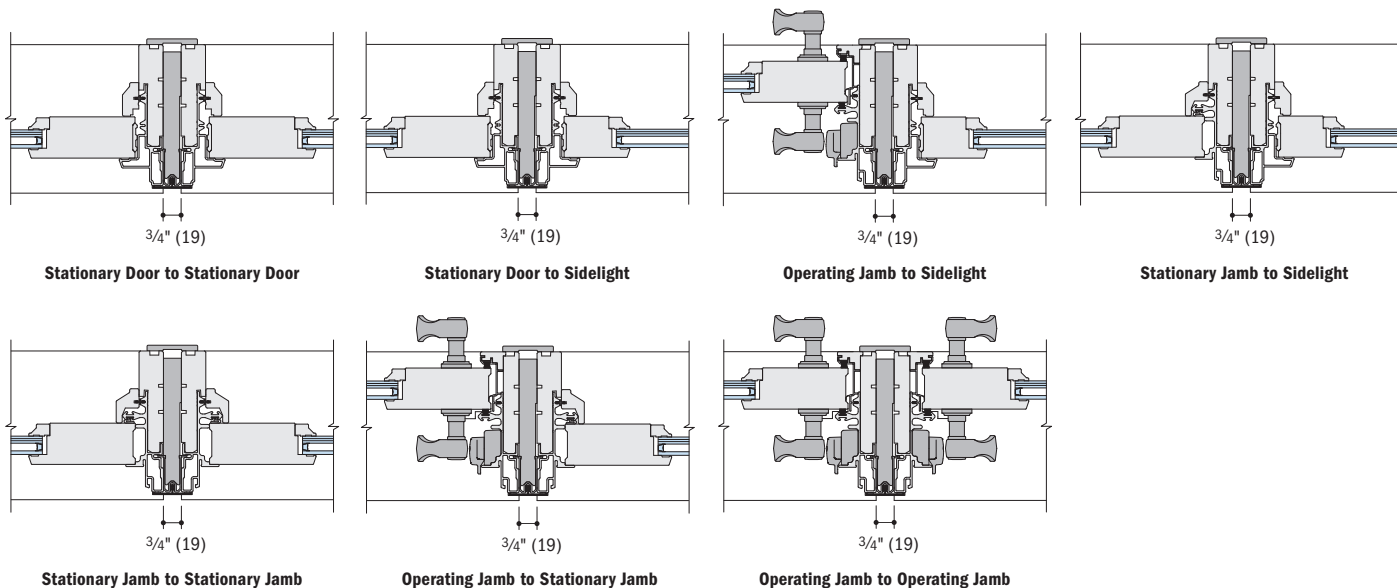
Vertical (ribbon) LVL Joining Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

Frenchwood® Gliding Patio Doors

Overall Door/Door or Door/Sidelight Dimension Width Sum of individual door/door or door/sidelight widths plus 3/4" (19).

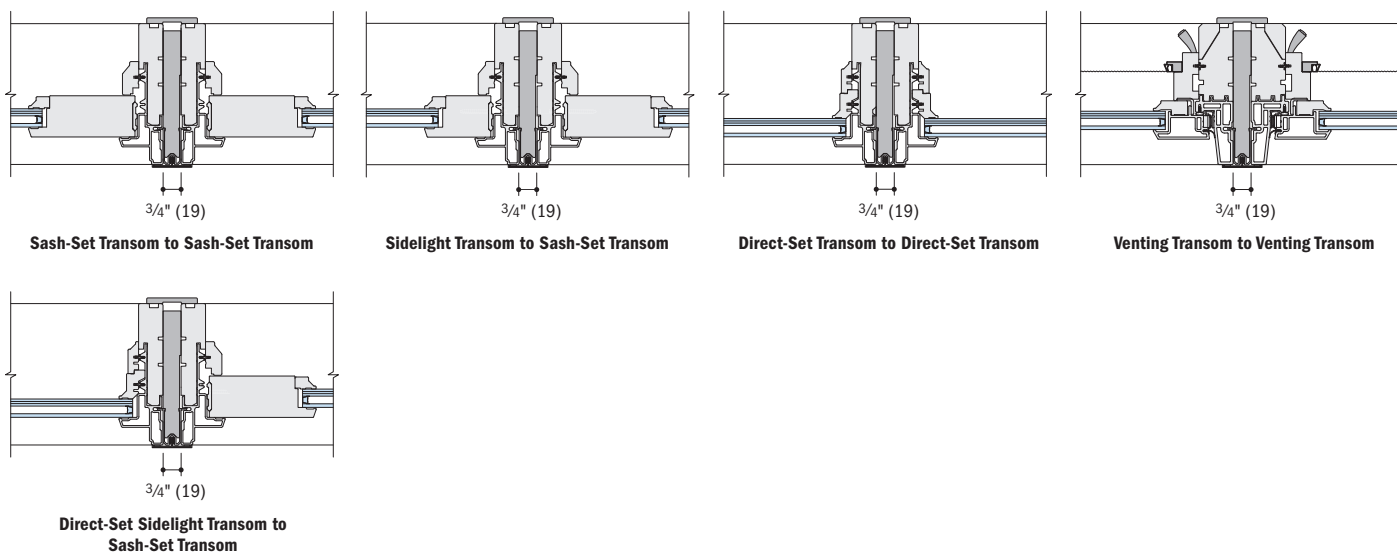
Overall Minimum Rough Opening Width Overall dimension width plus 3/4" (19).



Frenchwood® Patio Door Transoms & Sidelights and Venting Transom Windows

Overall Transom/Transom or Transom/Sidelight Transom Dimension Width Sum of individual transom/transom or transom/sidelight transom widths plus 3/4" (19).

Overall Minimum Rough Opening Width Overall dimension width plus 3/4" (19).



For more joining information see the combination designs section starting on page 193.

- Light-colored areas are parts included with transom or door. Dark-colored areas are additional Andersen® parts required to complete transom or door assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.

Vertical (ribbon) LVL Joining Details

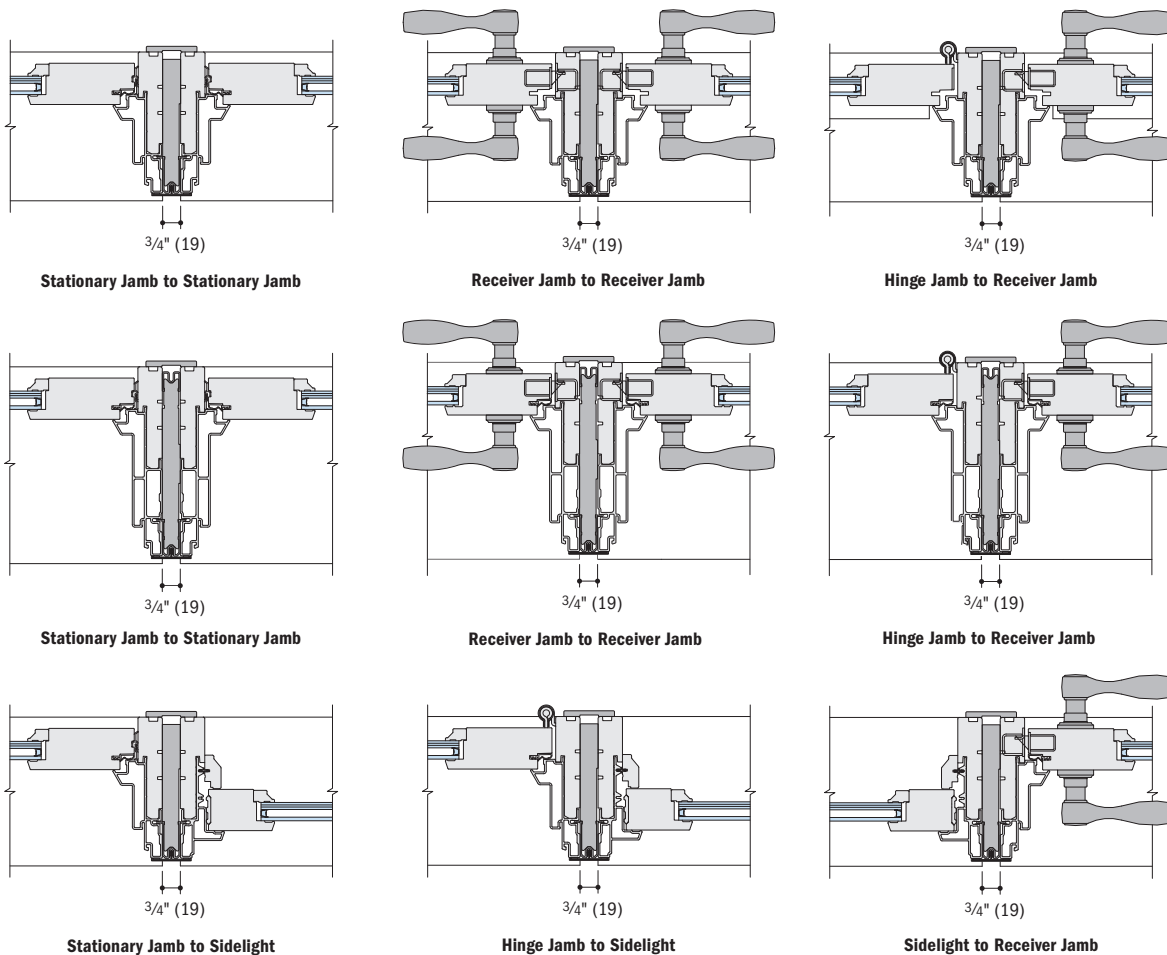
Scale 1 1/2" (38) = 1'-0" (305) – 1:8

Frenchwood® Hinged Inswing Patio Doors

Overall Door/Door or Door/Sidelight Dimension Width Sum of individual door/door or door/sidelight widths plus 3/4" (19).

Overall Minimum Rough Opening Width Overall dimension width plus 3/4" (19).

Do not join inswing or outswing doors hinge jamb to hinge jamb.



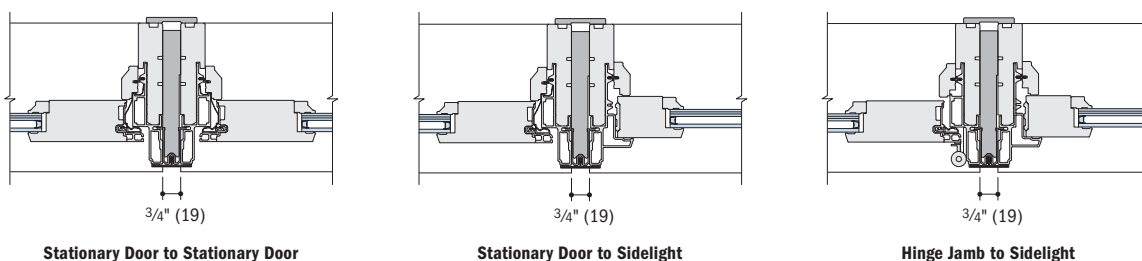
For more joining information see the combination designs section starting on page 193.

Frenchwood® Hinged Outswing Patio Doors

Overall Door/Door or Door/Sidelight Dimension Width Sum of individual door/door or door/sidelight widths plus 3/4" (19).

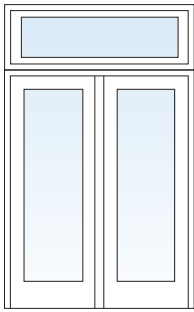
Overall Minimum Rough Opening Width Overall dimension width plus 3/4" (19).

Do not join inswing or outswing doors hinge jamb to hinge jamb.

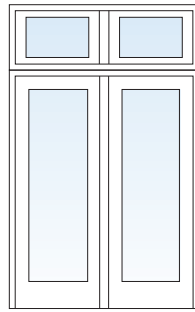


- Light-colored areas are parts included with transom or door. Dark-colored areas are additional Andersen® parts required to complete transom or door assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.

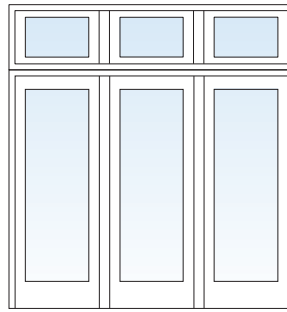
Transom Options



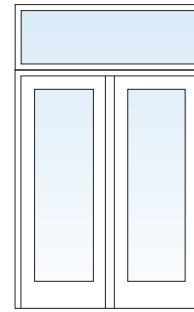
**Sash-Set
Frenchwood® Patio Door
Transom**



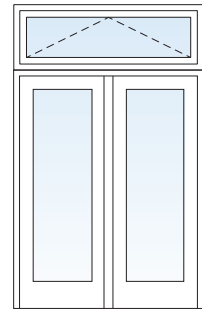
**Sash-Set
Frenchwood® Patio Door
Twin Transom**



**Sash-Set
Frenchwood® Patio Door
Triple Transom**



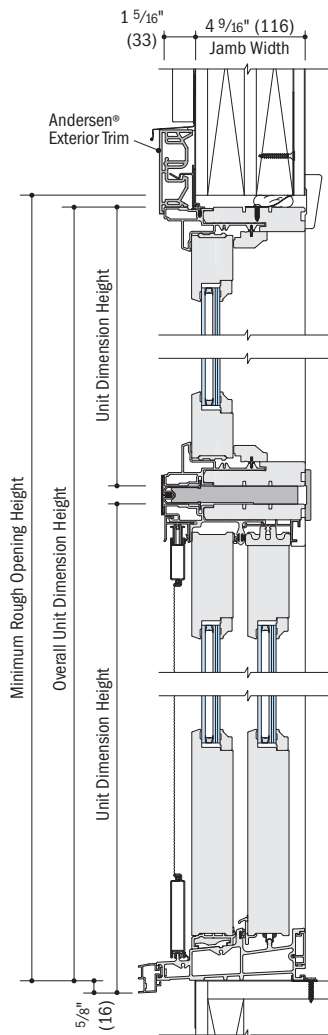
**Direct-Set
Frenchwood® Patio Door
Transom**



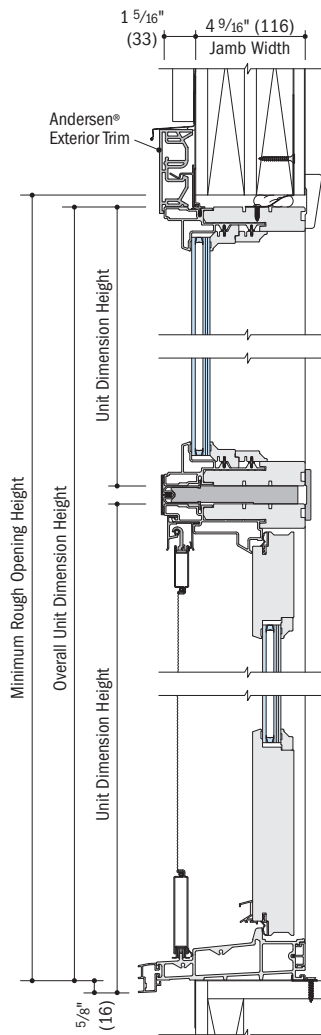
Venting Transom Window

Horizontal (stack) LVL Joining Details

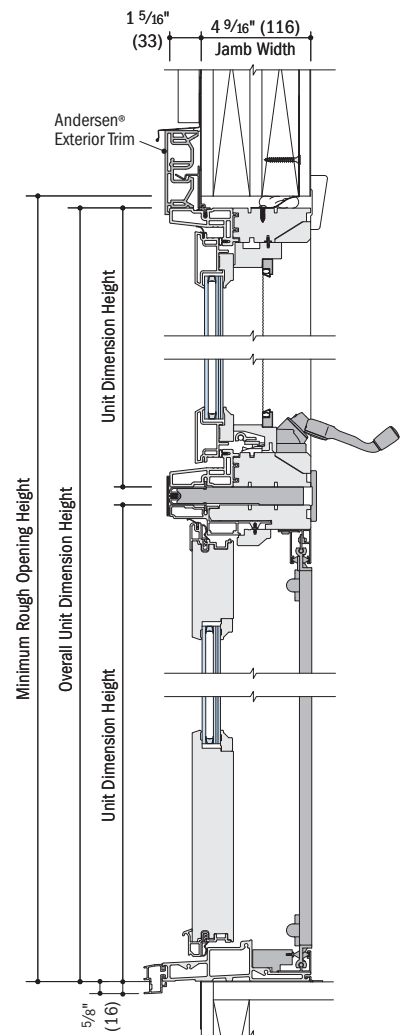
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



**Sash-Set
Frenchwood® Patio Door Transom over
Frenchwood® Gliding Patio Door**



**Direct-Set
Frenchwood® Patio Door Transom over
Frenchwood® Hinged Inswing Patio Door**



**Venting Transom Window over
Frenchwood® Hinged Outswing Patio Door**

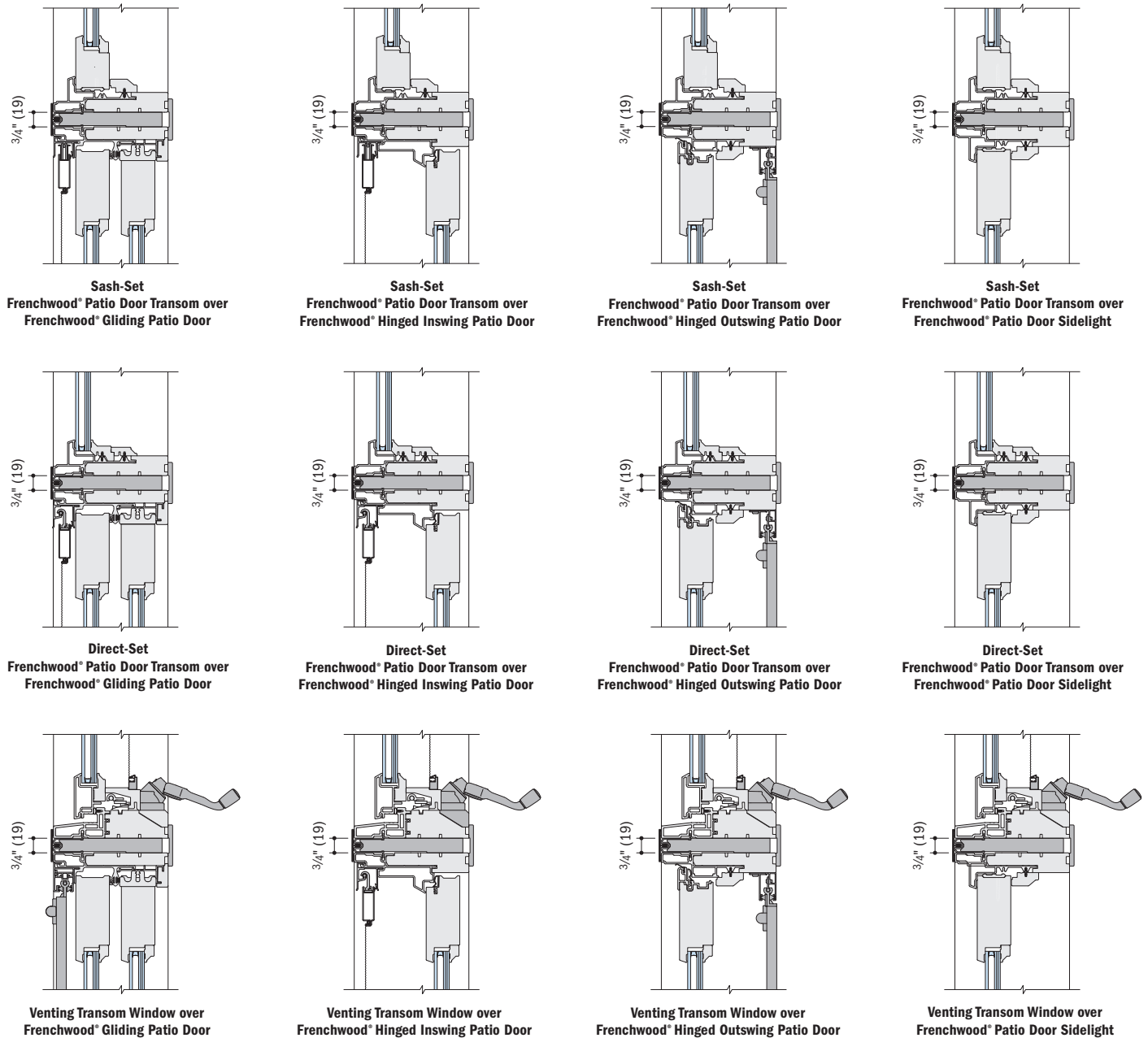
- Light-colored areas are parts included with transom or door. Dark-colored areas are additional Andersen® parts required to complete transom or door assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.

Horizontal (stack) LVL Joining Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

Overall Transom/Door or Transom/Sidelight Dimension Height Sum of individual transom/door or transom/sidelight heights plus 3/4" (19).

Overall Minimum Rough Opening Height Overall dimension height plus 1/2" (13).



For more joining information see the combination designs section starting on page 193.

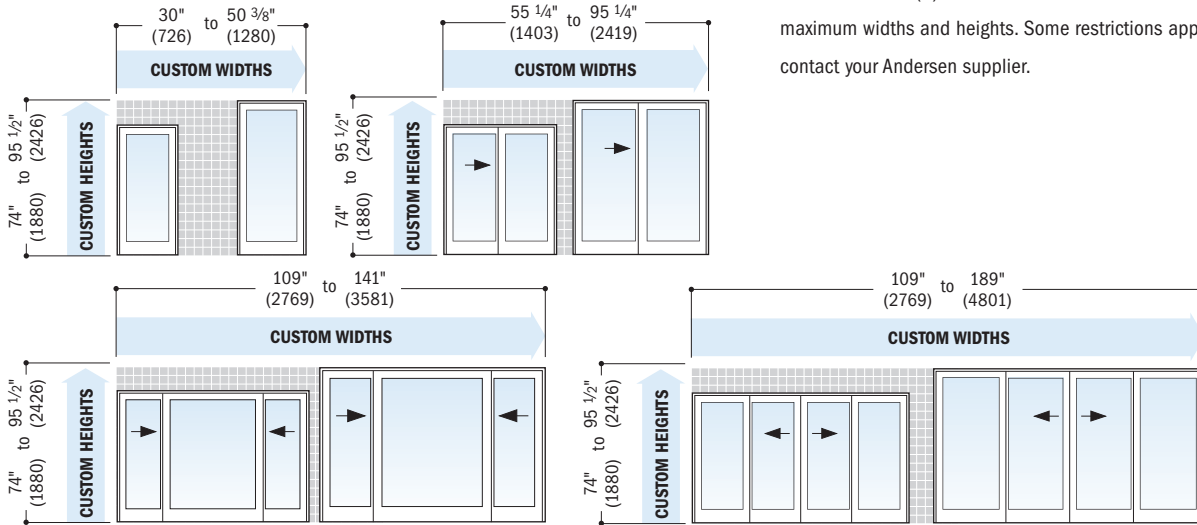
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.

Custom Sizes & Specifications



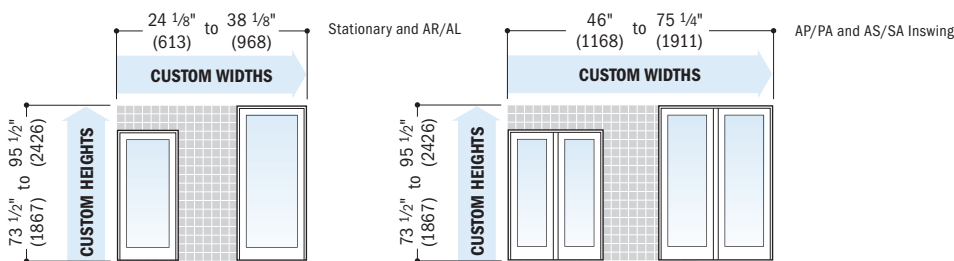
Available in 1/8" (3) increments between minimum and maximum widths and heights. Some restrictions apply, contact your Andersen supplier.

Frenchwood® Gliding Patio Doors



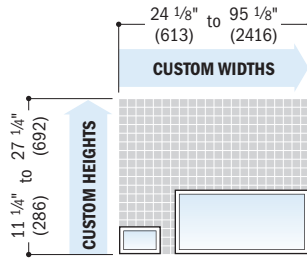
Minimum R.O.	Unobstr. Glass
 Single-Panel Gliding Width = transom width + 3/4" (19) Height = transom height + 1/2" (13) Two-Panel Gliding Width = transom width + 3/4" (19) Height = transom height + 1/2" (13) Three-Panel Gliding Width = transom width + 1" (25) Height = transom height + 1/2" (13) Four-Panel Gliding Width = transom width + 1" (25) Height = transom height + 1/2" (13)	 Single-Panel Gliding Width = transom width - 11.22" (285) Height = transom height - 16.06" (408) Two-Panel Gliding Width = transom width - 17.00" (432) Height = transom height - 16.06" (408) Three-Panel Gliding Width = transom width - 22.78" (579) Height = transom height - 16.06" (408) Four-Panel Gliding Width = transom width - 11.22" (285) Height = transom height - 16.06" (408)

Frenchwood® Hinged Inswing and Outswing Patio Doors



Minimum R.O.	Unobstr. Glass
 Single-Panel Inswing & Outswing Width = patio door width + 3/4" (19) Height = patio door height + 1/2" (13) Two-Panel Inswing & Outswing Width = patio door + 3/4" (19) Height = patio door + 1/2" (13)	 Single-Panel Inswing & Outswing Width = patio door width - 11.22" (285) Height = patio door height - 16.06" (408) Two-Panel Inswing & Outswing Width = patio door width - 21.50" (546) Height = patio door height - 16.06" (408)

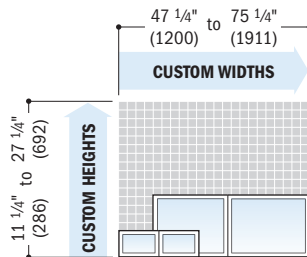
Frenchwood® Patio Door Transoms and Sidelight Transoms



For custom sizing and opening specifications
for venting transom windows see page 53.

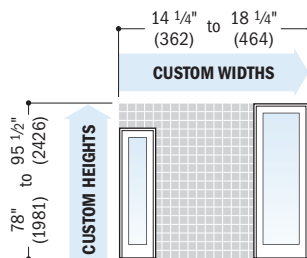
Minimum R.O.	Unobstr. Glass
 Sash-Set Transom Width = transom width + 3/4" (19) Height = transom height + 3/4" (19) Direct-Set Transom Width = transom width + 3/4" (19) Height = transom height + 3/4" (19) Sash-Set Sidelight Transom Width = transom width + 3/4" (19) Height = transom height + 3/4" (19) Direct-Set Sidelight Transom Width = transom width + 3/4" (19) Height = transom height + 3/4" (19)	 Sash-Set Transom Width = transom width - 11.22" (285) Height = transom height - 7.84" (199) Direct-Set Transom Width = transom width - 3.66" (93) Height = transom height - 3.66" (93) Sash-Set Sidelight Transom Width = transom width - 7.84" (199) Height = transom height - 7.84" (199) Direct-Set Sidelight Transom Width = transom width - 3.66" (93) Height = transom height - 3.66" (93)

Frenchwood® Patio Door Twin Transoms



Minimum R.O.	Unobstr. Glass
 Sash-Set Twin Transom Width = transom width + 3/4" (19) Height = transom height + 3/4" (19)	 Sash-Set Twin Transom Width = transom width - 21.50" (546) Height = transom height - 7.84" (199)

Frenchwood® Patio Door Sidelights



Minimum R.O.	Unobstr. Glass
 Width = sidelight width + 3/4" (19) Height = sidelight height + 1/2" (13)	 Width = sidelight width - 7.84" (199) Height = sidelight height - 16.06" (408)

WINDOW & DOOR EXTERIOR TRIM



SECTION REFERENCE

Profiles	132-133
A-Series Details	134-135
400 Series Details.....	135
Cornice & Decorative Drip Cap Details.....	136

EXTERIOR TRIM SYSTEM

ANDERSEN INNOVATION

A For exceptional long-lasting* performance, exterior trim is made from patented Fibrex® material or high-density urethane with low-maintenance exterior finishes.

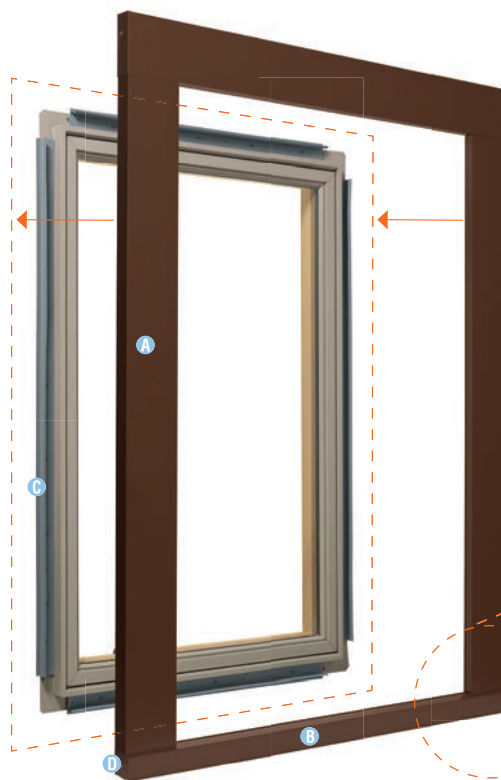
B Sill nose profile, made from Fibrex® material, is available for a traditional look.

C Trim is securely fastened to the home using factory-applied or field-applied attachment flange. Factory-applied option not available for 400 Series products.

D Trim surrounds are assembled with corner keys and stainless fasteners for stability and strength.

ENGINEERED WITH
FIBREX®

Our patented Fibrex® material is an environmentally smart composite that contains 40% pre-consumer reclaimed wood fiber by weight.



Cocoa Bean trim with Sandtone window

Drip Caps

Full-length, color-matched aluminum drip cap is included with kits and surrounds.

Easier Installation

- Installs independently of water management system
- No nail holes to fill
- No visible fasteners
- No painting

Thick trim profiles overlap the window frame to create clean lines without visible sealant joints.

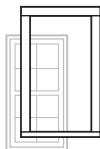


An online trim visualizer and installation guides are available at andersenwindows.com/exteriortrim.

FEATURES

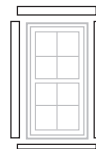
Preassembled Trim Surrounds

Factory-assembled surrounds install in seconds on A-Series windows with optional factory-applied attachment flange and in about five minutes on 400 Series windows with the field attachment strips.



Precut Kits

Kits include precut and predrilled trim with all the necessary components for on-site assembly for windows and patio doors up to 12' (3658) in width.



Individual Trim Components

13' (3962) factory-finished trim lineals, end caps, corner keys, fasteners, metal drip cap and field attachment strip allow for field fabrication and assembly.



OTHER TRIM OPTIONS

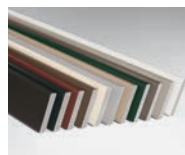
Curved Trim

Made of highly durable factory-finished urethane material for selected curved shapes. Check your Andersen supplier for availability.



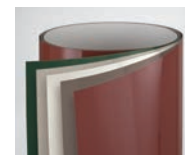
3 1/2" (89) Flat Cellular Fibrex® Trim Board

3/4" (19) thick in 10' (3048) lengths and 11 colors. It can be ripped to size and fastened with screws or nails.



Coil Stock

Factory-finished in 11 colors, our aluminum coil stock allows you to form your own profiles in the field.



*See the Andersen 20/10 year limited warranty for coverage on Andersen exterior trim applied to 400 Series windows. See the A-Series Limited Warranty for exterior trim applied to A-Series products. Visit andersenwindows.com/warranty or contact your Andersen supplier.

Dimensions in parentheses are in millimeters.

COLORS

Trim can match or complement your window and door colors to create a wide range of combinations.



White Canvas Sandtone Prairie Grass Terratone Forest Green Dove Gray Dark Bronze Cocoa Bean Red Rock Black

STYLE OPTIONS

PROFILES



2" (51) Brick Mould
in Canvas color



3 1/2" (89) or 4 1/2" (114) Flat
in Terratone color



3 1/2" (89) or 4 1/2" (114) Flat
with extended top (A-Series only)
in Red Rock color

HEAD TRIM OPTIONS

Three styles are available. All can be used with our flat trim and include an integrated nailing flange. The decorative drip cap is made from our patented cellular Fibrex® material. Both the 2" (51) cornice and 3 5/8" (92) cornice are made from highly durable urethane material.



Decorative Drip Cap
in Forest Green color



2" (51) Cornice
in Prairie Grass color

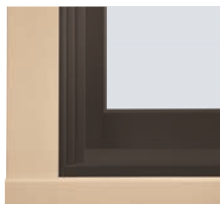


3 5/8" (92) Cornice
in White color

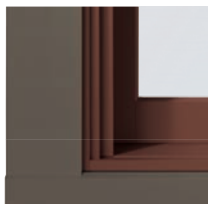
SILL OPTIONS



2" (51) Brick Mould with flush sill
Terratone trim with
White window



3 1/2" (89) Flat with sill nose
Prairie Grass trim with
Cocoa Bean window



4 1/2" (114) Flat with sill nose
Terratone trim with
Red Rock window



3 1/2" (89) or 4 1/2" (114) Flat
(A-Series only) White trim with
White window

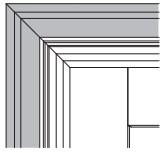


All profiles are available with extended
sill nose for A-Series windows.

Dimensions in parentheses are in millimeters.

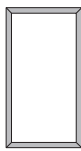
Printing limitations prevent exact color duplication. See your Andersen supplier for actual color samples.

Brick Mould

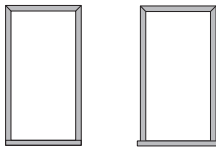


Brick mould with mitered corners

For **A-Series** windows, brick mould can be used on all four sides.



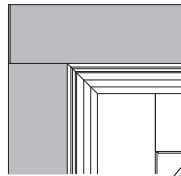
For additional **A-Series** window combinations, use brick mould with sill nose either flush or extended.



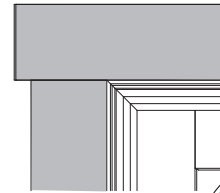
For **400 Series** windows, a flush sill nose is standard at the sill with brick mould.



3 1/2" Flat & 4 1/2" Flat

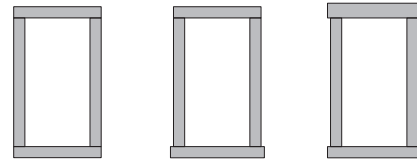


3 1/2" (89) flat with flush corner

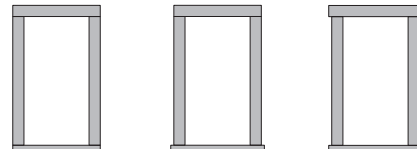


4 1/2" (114) flat with 1" (25) extended corner (A-Series only)

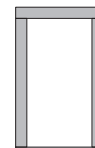
For **A-Series** windows, flat trim can be used on all four sides, either flush or extended at the head and/or at the sill. 3 1/2" (89) flat and 4 1/2" (114) flat can be combined.



For additional **A-Series** window combinations, use flat trim with sill nose either flush or extended.



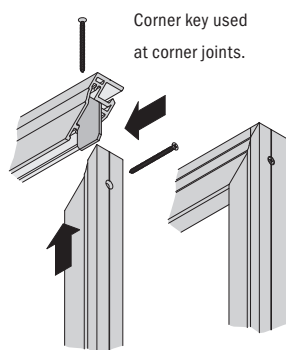
For **400 Series** windows, a flush sill nose is standard at the sill with flat trim.



Formula for dimension of window/door plus exterior trim.
Add 1 3/4" (44) per side for brick mould

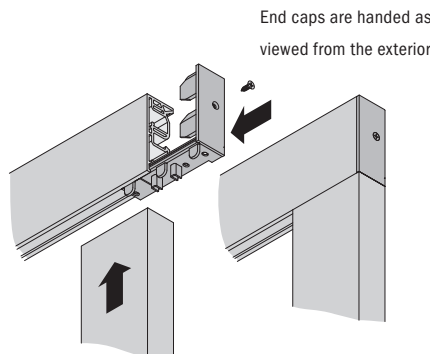
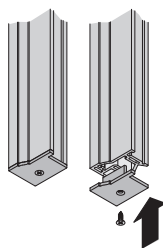
Cornices or decorative drip cap, shown on next page, can be added over 3 1/2" (89) flat or 4 1/2" (114) flat trim at the head.

Formula for dimension of window/door plus exterior trim.
Add 4 1/4" (108) per side for 4 1/2" (114) flat
Add 3 1/4" (83) per side for 3 1/2" (89) flat



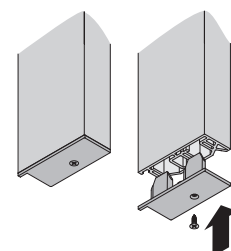
Corner key used at corner joints.

For **A-Series** patio doors end caps are used at the sill.

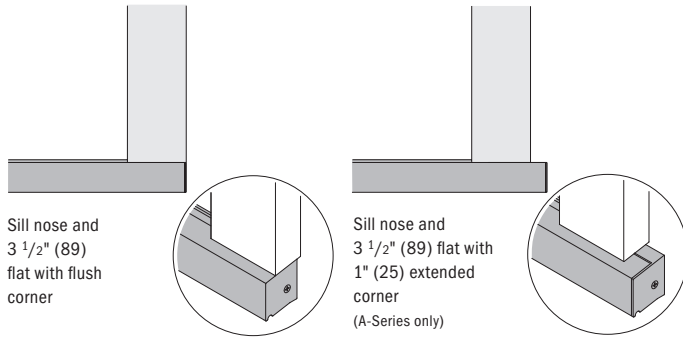


End caps are handed as viewed from the exterior.

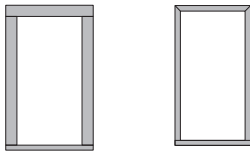
For **A-Series** patio doors, end caps are used at the sill.



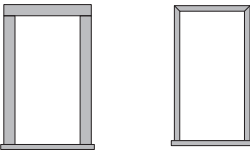
Sill Nose



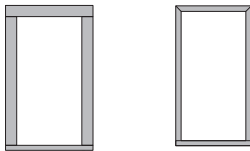
For **A-Series** windows, sill nose can be used flush with flat trim or brick mould.



For additional **A-Series** window combinations, use sill nose extended 1" (25).

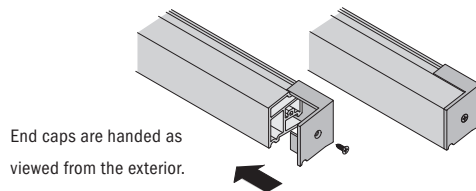


For **400 Series** windows, a flush sill nose is standard at the sill with flat trim or brick mould.

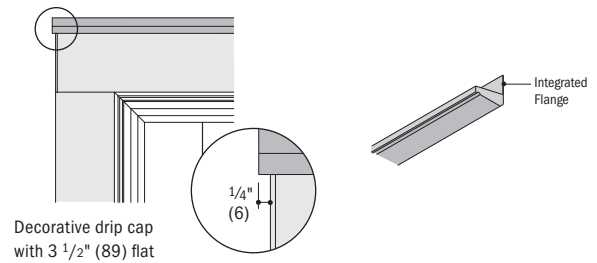
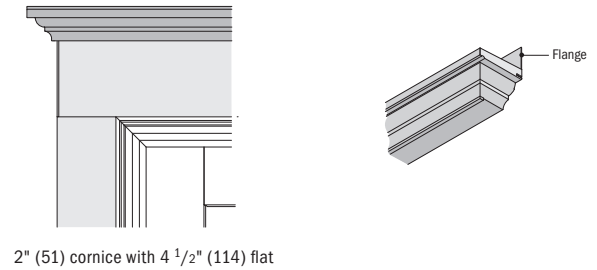
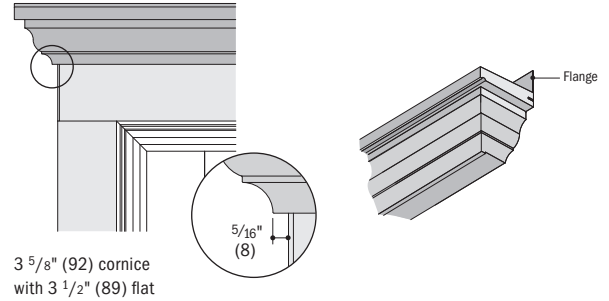


Formula for dimension of window plus exterior trim.

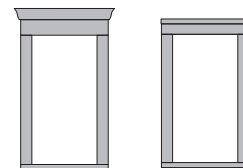
Add 1 15/16" (49) for sill nose



Cornices & Decorative Drip Cap



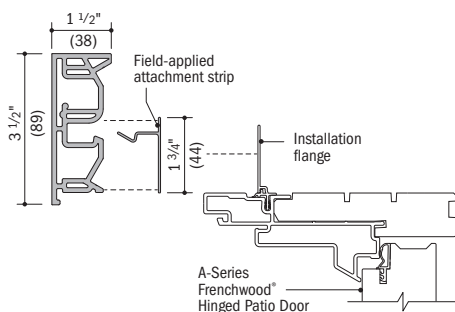
For **A-Series** windows and patio doors and **400 Series** windows, use cornice or decorative drip cap with 3 1/2" (89) or 4 1/2" (114) flat.



A-Series Window & Patio Door Attachment

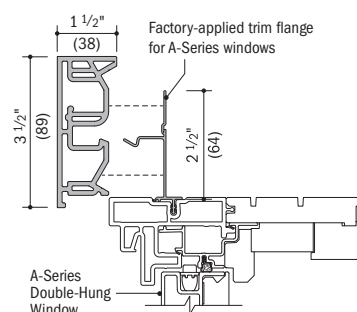
Field-Applied Attachment Strip

Field-applied attachment strip fastens to framing through window or patio door installation flange and flashing tape with screws. Exterior trim connects securely to the field-applied attachment strip.



Factory-Applied Trim Flange

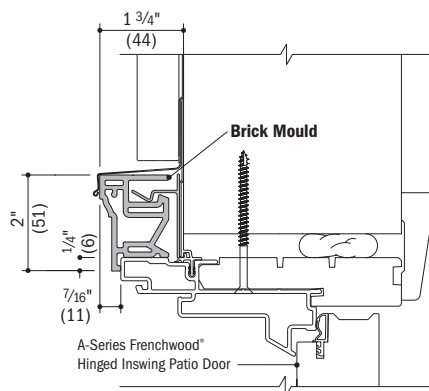
Factory-applied trim flanges are available for A-Series windows only. Exterior trim connects securely to the trim flange already in place.



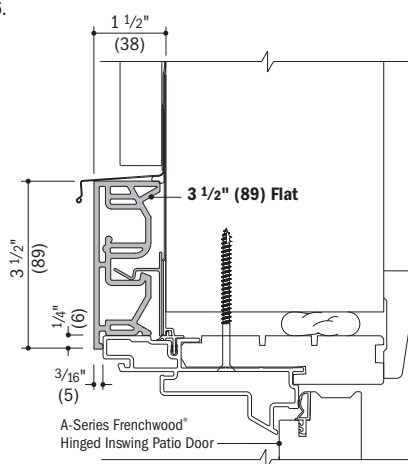
A-Series Window & Patio Door Details

Scale 3" (76) = 1'-0" (305) – 1:4

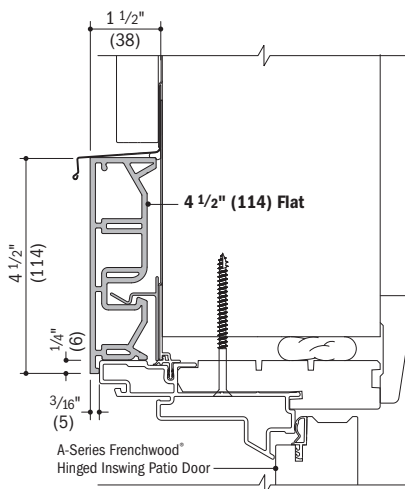
Cornice and decorative drip cap details shown on page 136.



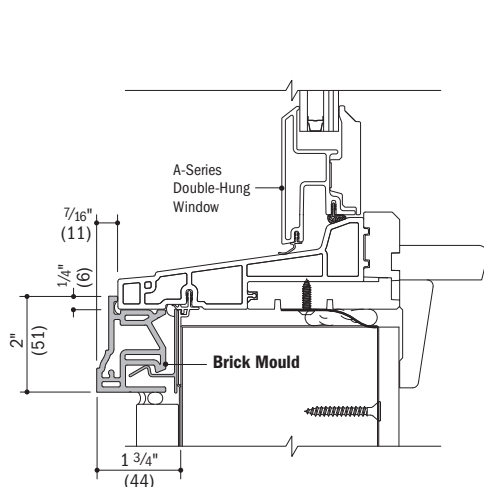
Vertical Section
Brick Mould/A-Series Frenchwood Hinged Inswing Patio Door



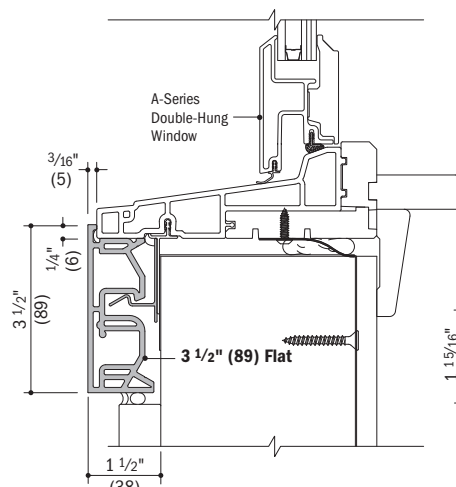
Vertical Section
3 1/2" (89) Flat/A-Series Frenchwood Hinged Inswing Patio Door



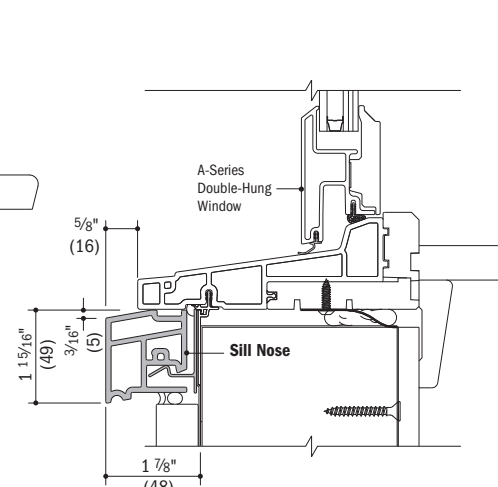
Vertical Section
4 1/2" (114) Flat/A-Series Frenchwood Hinged Inswing Patio Door



Vertical Section
Brick Mould/A-Series Double-Hung Window



Vertical Section
3 1/2" (89) Flat/A-Series Double-Hung Window



Vertical Section
Sill Nose/A-Series Double-Hung Window

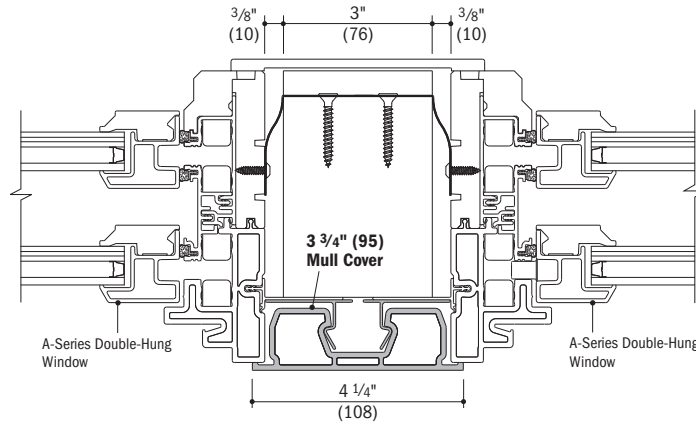
- Typical trim combinations shown. Additional combinations may also be used. Some restrictions apply. For more information contact your Andersen supplier.
- Dimensions in parentheses are in millimeters.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

Mull Cover

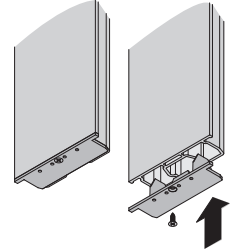
3 3/4" (95) mull cover is available for installations where windows or patio doors have been installed into separate rough openings to obtain a joined appearance.

Available for A-Series windows and patio doors and 400 Series windows.

Separate Rough Opening Detail Scale 3" (76) = 1'-0" (305) – 1:4



For A-Series patio doors, end caps are used at the sill.



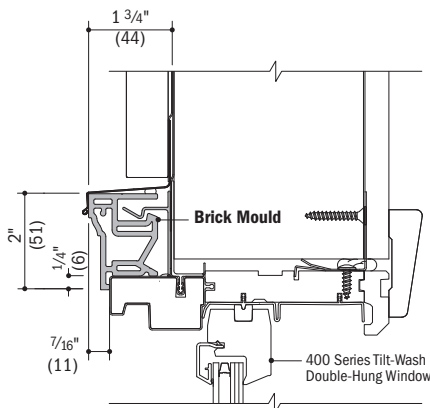
Horizontal Section

A-Series Double-Hung Window/Mull Cover/A-Series Double-Hung Window

400 Series Window Details

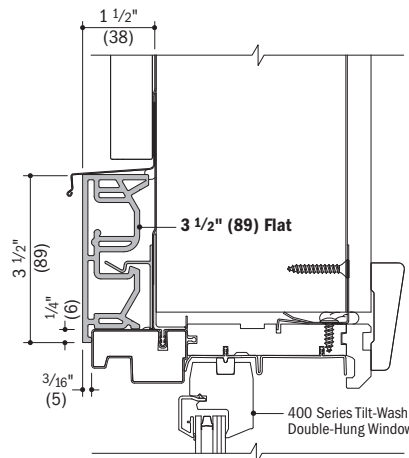
Scale 3" (76) = 1'-0" (305) – 1:4

Cornice and decorative drip cap details shown on page 136.



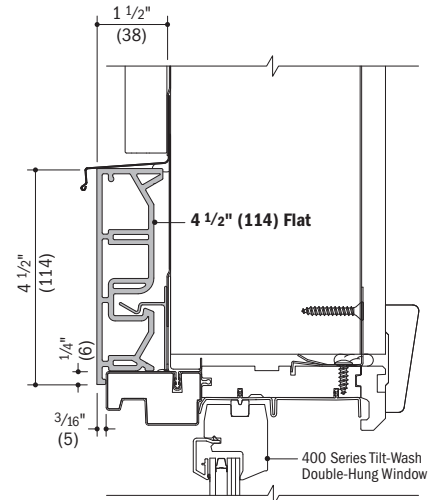
Vertical Section

Brick Mould/400 Series Tilt-Wash Double-Hung Window



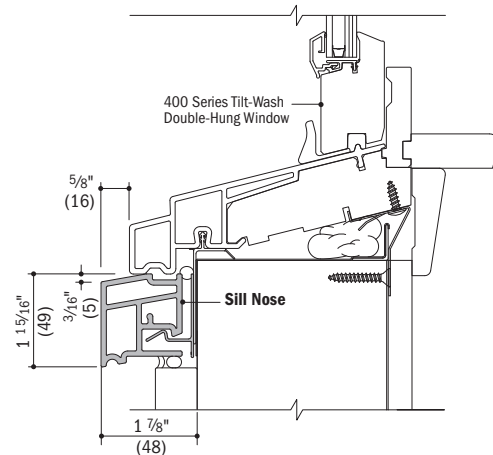
Vertical Section

3 1/2" (89) Flat/400 Series Tilt-Wash Double-Hung Window



Vertical Section

4 1/2" (114) Flat/400 Series Tilt-Wash Double-Hung Window



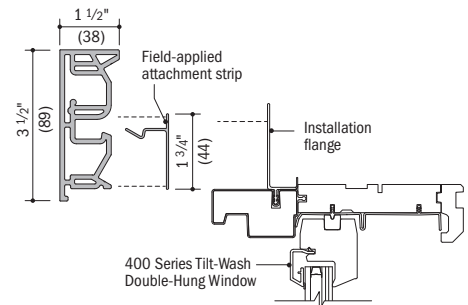
Vertical Section

Sill Nose/400 Series Tilt-Wash Double-Hung Window

400 Series Window Attachment

Field-Applied Attachment Strip

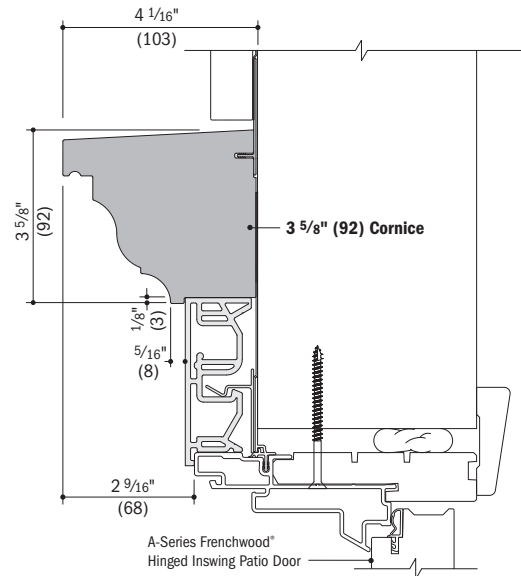
Field-applied attachment strip fastens to framing through window or patio door installation flange and flashing tape with screws. Exterior trim connects securely to the field-applied attachment strip.



- Typical trim combinations shown. Additional combinations may also be used. Some restrictions apply. For more information contact your Andersen supplier.
- Dimensions in parentheses are in millimeters.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Consult with an architect or structural engineer regarding minimum requirements for structural support members between adjacent rough openings.

A-Series Details

Scale 3" (76) = 1'-0" (305) – 1:4

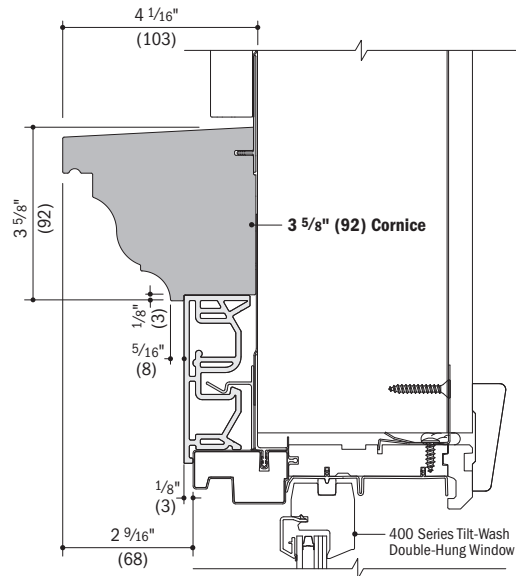


Vertical Section

3 5/8" (92) Cornice/3 1/2" (89) Flat/A-Series Frenchwood Hinged Inswing Patio Door

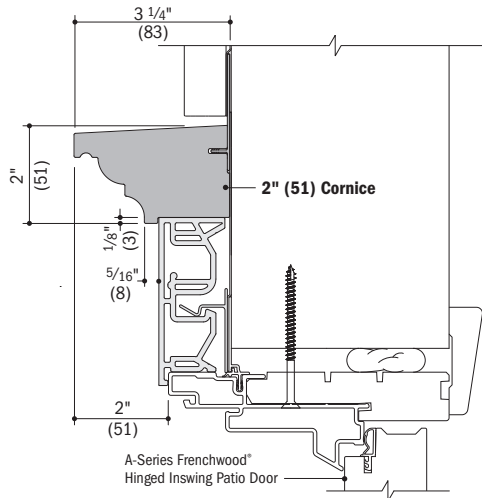
400 Series Details

Scale 3" (76) = 1'-0" (305) – 1:4



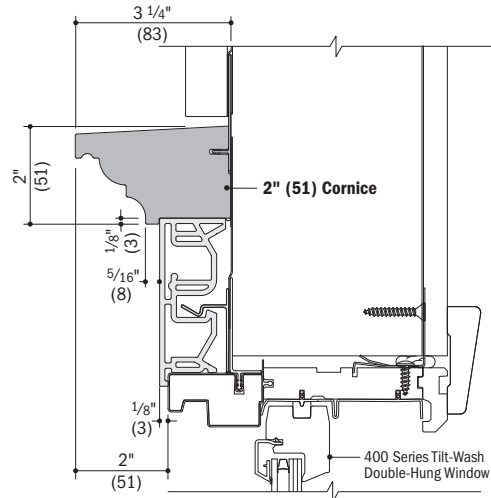
Vertical Section

3 5/8" (92) Cornice/3 1/2" (89) Flat/400 Series Tilt-Wash Double-Hung Window



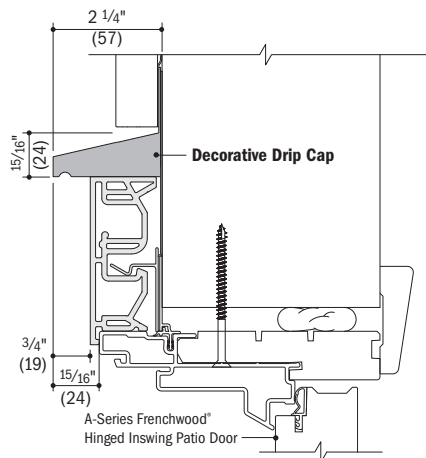
Vertical Section

2" (51) Cornice/3 1/2" (89) Flat/A-Series Frenchwood Hinged Inswing Patio Door



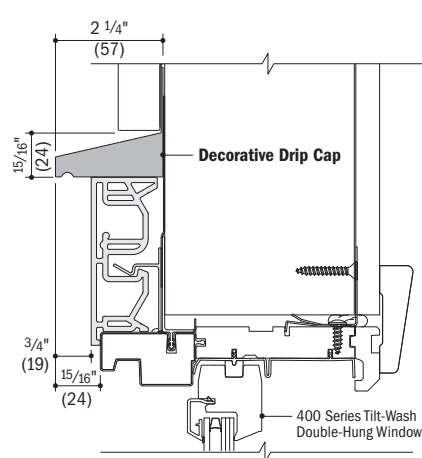
Vertical Section

2" (51) Cornice/3 1/2" (89) Flat/400 Series Tilt-Wash Double-Hung Window



Vertical Section

Decorative Drip Cap/3 1/2" (89) Flat/A-Series Frenchwood Hinged Inswing Patio Door



Vertical Section

Decorative Drip Cap/3 1/2" (89) Flat/400 Series Tilt-Wash Double-Hung Window

- Typical trim combinations shown. Additional combinations may also be used. Some restrictions apply. For more information contact your Andersen supplier.
- Dimensions in parentheses are in millimeters.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

This image shows a full page of blank graph paper. The grid consists of small, equal-sized squares formed by thin gray lines. There are no margins, text, or other markings on the page.



400 SERIES

COASTAL WINDOWS



TESTED BY MOTHER NATURE. APPROVED BY FATHER TIME.

Andersen® 400 Series windows with Stormwatch® protection not only offer true value, many of their components have been time-tested and proven in coastal applications since 1966.

With their durable Perma-Shield® exteriors, classic blend of engineering and craftsmanship, plus extensive styles, shapes and sizes, these are the coastal versions of the windows that have helped make Andersen the most recognized window brand in America.

When you choose 400 Series coastal windows, you're not getting just any windows. You're getting windows that have helped forge our reputation for designing and building products that are among the best performing in the industry.



THE BEAUTY

YOUR CUSTOMERS WANT

Beauty is in the eye of the beholder.
And the beholder is always your customer.

That's why 400 Series windows with Stormwatch® protection come with a large selection of shapes, styles, options and accessories. With Andersen® 400 Series coastal windows, it's easy to give your customers the home they've always wanted.



COLOR CHOICES & COMBINATIONS

Mix and match from six exterior window colors and 11 exterior trim colors.

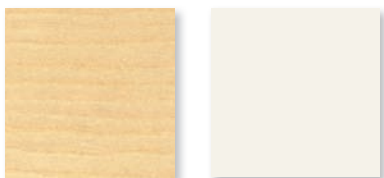
For more information, see page 142.



HARDWARE & HARDWARE FINISHES

With our wide selection of hardware finishes, your customers can easily complement their décor, whether they're looking to match a faucet or a chandelier.

For more information, see pages 144–145.



BEAUTIFUL INTERIOR OPTIONS

400 Series coastal windows are available in pine or prefinished white interior options to fit your customers' décor.

For more information, refer to individual product sections.



GRILLE & DIVIDED LIGHT OPTIONS

Whether you need a classic grille pattern or a custom design, you can get it with 400 Series coastal windows.

For more information, see page 147.



ART GLASS

Available for 400 Series windows only, in 11 original patterns, including four Frank Lloyd Wright® Series designs.

For more information, see page 149.

THE PERFORMANCE

YOUR CUSTOMERS NEED

Beauty is one thing. Beauty that endures is an Andersen® 400 Series window with Stormwatch® protection.

From their time-proven Perma-Shield® exterior cladding to their wide selection of impact-resistant glass, they're designed to withstand nature's worst and still look their best for years to come.



TIME-TESTED, LOW-MAINTENANCE PERMA-SHIELD® EXTERIORS

A well-proven asset in coastal areas, Perma-Shield vinyl cladding resists salt spray and sea air, resists dents and never needs painting*.



ENERGY-EFFICIENT DESIGN

Saving energy is important to us. That goes for the energy efficiency of our 400 Series coastal windows as well as for our manufacturing processes that produce them. Because of this, Andersen Corporation has earned the 2013 ENERGY STAR® Partner of the Year – Sustained Excellence Award.

Visit andersenwindows.com/energystar for more information.



SUPERIOR PERFORMANCE RATINGS

400 Series windows with Stormwatch protection feature performance ratings up to PG70.** In addition, they are designed to satisfy†:

- Large missile impact test ASTM/E1886/E1996
- Miami-Dade TAS 201, 202, 203
- AAMA/WDMA/CSA 101/I.S.2 A440-08

NEVER NEEDS PAINTING

The Perma-Shield® exteriors on Andersen® windows and doors won't peel, blister, flake or corrode*, so they are virtually maintenance-free. They come in six popular colors: White, Canvas, Sandtone, Terratone, Forest Green and Dark Bronze.

STRUCTURAL REINFORCEMENTS FOR COASTAL APPLICATIONS

400 Series windows with Stormwatch® protection feature a range of structural enhancements that allow them to withstand harsh weather conditions. Enhancements include impact-resistant glass; high-strength silicone glazing; frame and sash reinforcements; heavy-duty hardware and additional locks.

GET ONLY THE UPGRADES YOU NEED

Some codes don't require impact-resistant glass. For these situations, Performance Grade (PG) upgrades are available for many standard 400 Series windows. Options are listed in each product section. Also, see your Andersen supplier for more details.



INDUSTRY-LEADING, TRANSFERABLE WARRANTY

Most other window warranties end when a home is sold. Our coverage transfers from each owner to the next for 10 years. And, because it's not prorated, our coverage offers benefits year after year, owner after owner — which is a real selling point for your customers.

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the 400 Series with Stormwatch® protection and impact-resistant glass Limited Warranty.

**See the performance section for specific unit performance. For up-to-date performance values, visit andersenwindows.com

†See your local code official for building code requirements in your area.



CUSTOMER-PLEASING EXTERIOR OPTIONS

400 Series coastal windows are available in our most popular colors and with a wide selection of exterior trim options. Even in the face of the worst coastal weather, our exteriors are virtually maintenance-free, hold their original vibrant colors, never need painting, and won't flake, rot, blister, peel, pit or corrode.*

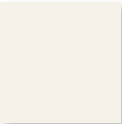
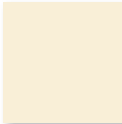


Red Rock trim with Sandtone window

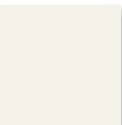
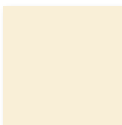
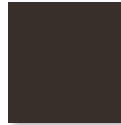
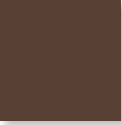
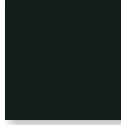
COLOR CHOICES & COMBINATIONS

Trim and window colors can be mixed and matched to give your customers the look they want.

WINDOW COLORS

			
White	Canvas	Sandtone	Terratone
			
Forest Green	Dark Bronze		

TRIM COLORS

			
White	Canvas	Sandtone	Prairie Grass
			
Terratone	Forest Green	Dove Gray	Dark Bronze
			
Cocoa Bean	Red Rock	Black	

*See the Andersen 20/10 year limited warranty for coverage on Andersen exterior trim and 400 Series windows. Visit andersenwindows.com/warranties or contact your Andersen supplier. Printing limitations prevent exact color duplication. See your Andersen supplier for actual color samples.

INNOVATIVE EXTERIOR TRIM INSTALLS IN ABOUT 5 MINUTES

Andersen® exterior trim surrounds install in about five minutes, allowing you to achieve virtually any architectural style with ease. They eliminate measuring, cutting, mitering and filling nail holes while providing an exceptional fit and finish.

- Trim system is independent of the window or door's water management system
- Prebuilt exterior trim surrounds are ready to install, saving time on the jobsite
- For large units, precut trim kits enable quick assembly on-site
- Trim is available to complement a wide range of architectural styles



**TIME-SAVING AND
COST-EFFECTIVE**

STYLES



2" (51) Brick Mould with sill nose
Dove Gray trim with Terratone window



3 1/2" (89) Flat with sill nose
Dark Bronze trim with White window



4 1/2" (114) Flat with sill nose
Canvas trim with Forest Green window

HEAD TRIM OPTIONS



Decorative Drip Cap



2" (51) Cornice



3 5/8" (92) Cornice

Dimensions in parentheses are in millimeters.

HARDWARE & INTERIOR OPTIONS

Window hardware enhances the overall design of a window and harmonizes with a home's décor. That's why we offer a broad range of hardware styles and finishes.

ANDERSEN® HARDWARE FINISHES



Antique Brass

Black

Bright Brass

Brushed Chrome

Distressed Bronze



Distressed Nickel

Gold Dust

Oil Rubbed Bronze

Polished Chrome



Satin Nickel

Stone

White



INTERIOR FINISH OPTIONS

Warm, beautiful pine can be painted or stained to match virtually any décor. Low-maintenance, prefinished white interiors save painting time on the jobsite and feature a smoother surface than can be painted by hand.



Pine

White

Naturally occurring variations in grain, color and texture of wood make each window one of a kind. All wood interiors are unfinished unless prefinished White is specified.

Printing limitations prevent exact duplication of colors and finishes. See your Andersen supplier for actual finish samples.



CASEMENT & AWNING HARDWARE OPTIONS*

CLASSIC SERIES™



Stone | **White**

ESTATE™



Antique Brass | Bright Brass | Brushed Chrome
Distressed Bronze | Distressed Nickel | Oil Rubbed Bronze
Polished Chrome | Satin Nickel

TRADITIONAL FOLDING



Antique Brass | Black | Bright Brass
Distressed Bronze | Distressed Nickel | Gold Dust
Oil Rubbed Bronze | Satin Nickel | Stone | White

CONTEMPORARY FOLDING



Black | Bright Brass | Gold Dust | Oil Rubbed Bronze
Satin Nickel | Stone | White

Folding window hardware eliminates interference with window treatments.

Bold name denotes finish shown.



Casement locking mechanism

OPTIONAL DOUBLE-HUNG HARDWARE* (PG UPGRADE UNITS ONLY)

ESTATE™

Lock & Keeper



Antique Brass | **Bright Brass** | Brushed Chrome
Distressed Bronze | Distressed Nickel | Oil Rubbed Bronze
Polished Chrome | Satin Nickel

Optional Estate lock & keeper reduces the clear opening height by 9/16" (14). Check with local building code officials to determine compliance with egress requirements.



Black | Gold Dust | Oil Rubbed Bronze
Satin Nickel | **Stone** | White



Black | **Gold Dust** | Stone | White

Stone is standard with natural interior units. White finish comes with prefinished White interiors.

Bold name denotes finish shown.

STANDARD DOUBLE-HUNG HARDWARE

*All Andersen® hardware is sold separately except standard double-hung hardware.

Distressed Bronze and Oil Rubbed Bronze are "living" finishes that will change with time and use.

GLASS OPTIONS

400 Series windows with Stormwatch® protection come standard with Low-E4® laminated glass. We also offer a graduated combination of upgrades that allow you to order the exact glass and structural enhancements you need to comply with virtually any coastal building requirement.* Some 400 Series windows with impact-resistant glass meet ENERGY STAR® Version 5.0 criteria in all 50 states. Visit andersenwindows.com/energystar to verify that the product and glass meet ENERGY STAR® criteria in your area.



LOW-E4 IMPACT-RESISTANT GLASS provides all the benefits of monolithic impact-resistant glass (shown far right), while adding an insulating air space that helps keep homes cool in the summer and warm in the winter.



LOW-E4 SMARTSUN™ IMPACT-RESISTANT GLASS delivers the benefits of Low-E4® glass, plus it helps shield homes from the sun's heat and filters out 95% of harmful UV rays while letting the sunlight shine through.



LOW-E4 SUN IMPACT-RESISTANT GLASS is tinted for maximum protection from the effects of intense sunlight and provides all the benefits of Low-E4 glass.



MONOLITHIC IMPACT-RESISTANT GLASS is reinforced with a clear plastic laminate sandwiched between two panes to resist impact, forced entry and unwanted noise. Choose from clear or gray.

Non-impact-resistant glass options are also available for Performance Grade (PG) upgrade windows.
Visit andersenwindows.com or see your Andersen supplier.

PERFORMANCE COMPARISON OF ANDERSEN® IMPACT-RESISTANT GLASS OPTIONS

GLASS	ENERGY		LIGHT	
	U-FACTOR	SOLAR HEAT GAIN COEFFICIENT	VISIBLE LIGHT TRANSMITTANCE	UV PROTECTION
	How well a product prevents heat from escaping.	How well a product blocks heat caused by sunlight.	How much visible light comes through a product.	How well a product blocks ultraviolet rays.
SmartSun™ Our best overall thermal performance.	● ● ● ○	● ● ● ●	● ● ● ○	● ● ● ●
Low-E4® Outstanding overall thermal performance for climates where both heating and cooling costs are a concern.	● ● ● ○	● ● ● ○	● ● ● ○	● ● ● ○
Sun** Outstanding thermal performance in southern climates where less solar heat gain is desired.	● ● ● ○	● ● ● ●	● ○ ○ ○	● ● ● ○
Clear Monolithic† Clear plastic laminate between two panes to resist impact, forced entry, sun damage and unwanted noise.	○ ○ ○ ○	○ ○ ○ ○	● ● ● ●	● ● ○ ○
Gray Monolithic**† All the benefits of Clear Monolithic glass but tinted to further block heat caused by sunlight.	○ ○ ○ ○	● ○ ○ ○	● ● ○ ○	● ● ● ○



TIME-SAVING TRANSLUCENT FILM

We help protect all of our products during delivery and construction with a translucent film on the glass. It also minimizes time spent masking on the jobsite, then peels away for a virtually spotless window. For details, contact your Andersen supplier.

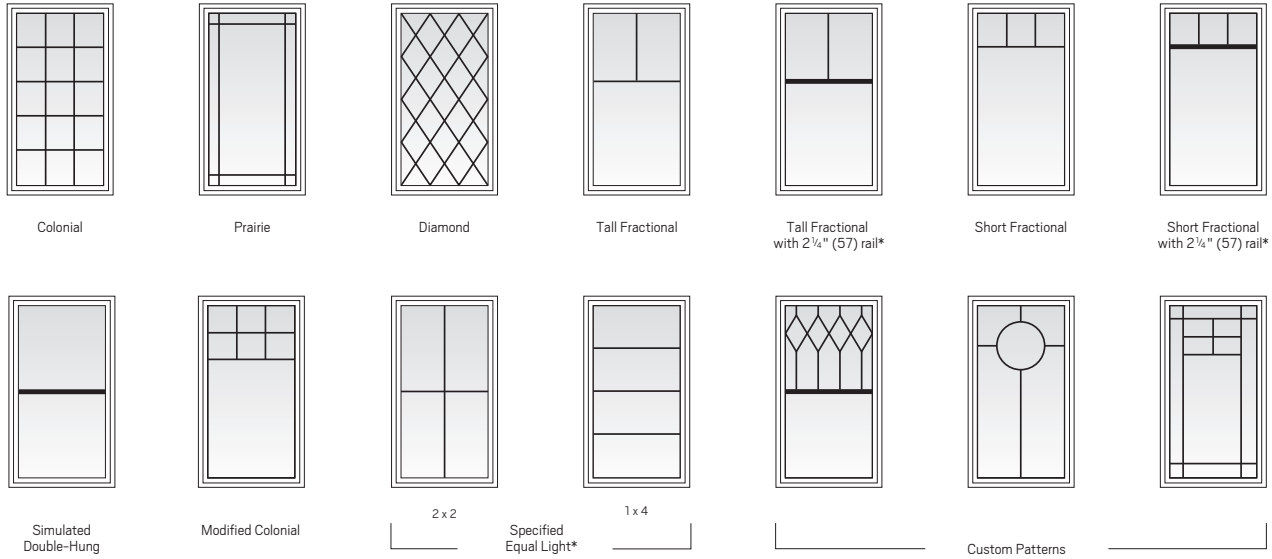
*See your local code official for building code requirements in your area.

**Low-E4® Sun impact-resistant glass and Gray Monolithic impact-resistant glass each satisfy Florida Turtle Code. Chart data based on casement windows without grilles.

GRILLE OPTIONS

Andersen® 400 Series coastal windows are available with grille patterns, widths and configurations to fit any architectural style or the taste of any customer. We can match virtually any existing grille, and we'll even work with you and your customers to create custom patterns.

NOTE: Some grille patterns not available in all configurations and products.



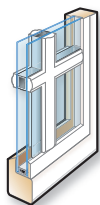
Our 2 1/4" (57) grille can make a casement window look like a double-hung window.

To see all of the standard patterns available for a specific window, refer to the detailed sections in the product guide for each product or contact your Andersen supplier.

GRILLE CONFIGURATIONS

FULL DIVIDED LIGHT

For an authentic look, full divided light grilles are permanently applied to the interior and exterior of the window with a spacer between the glass.



Permanent Exterior
Permanent Interior
with Spacer

SIMULATED DIVIDED LIGHT

Simulated divided light offers permanent grilles on the exterior and interior with no spacer between the glass. We also offer permanent exterior grilles with removable interior grilles in natural wood or prefinished white.



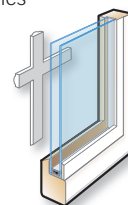
Permanent Exterior
Permanent Interior



Permanent Exterior
Removable Interior

CONVENIENT CLEANING OPTIONS

Removable interior grilles come off for easy cleaning. Andersen® Finelight™ grilles are installed between the glass panes and feature a contoured 3/4" (19) profile.



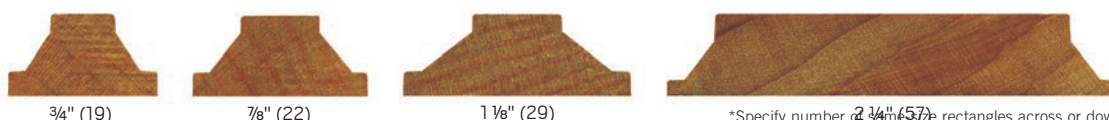
Removable
Interior Grille



Finelight Grilles-
Between-the-
Glass**

GRILLE WIDTHS (ACTUAL SIZE SHOWN)

SHOWN: Cross sections of grilles showing standard widths and profiles.



*Specify number of rectangles across or down. Some restrictions apply.
**3/8" (22), 1 1/8" (29) and 2 1/4" (57) not available in Finelight Grilles-Between-the-Glass.

Dimensions in parentheses are in millimeters.

INSECT SCREENS

Optional insect screens are available for all 400 Series coastal windows. Choose aluminum insect screens or TruScene® insect screens for a more unobstructed view.

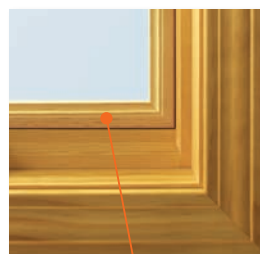
TRUSCENE® INSECT SCREENS

Made with a micro-fine stainless steel mesh, exclusive Andersen® TruScene insect screens provide more than 50% greater clarity than our conventional insect screens. And they let in more fresh air and sunlight, while doing a better job of keeping out small insects.

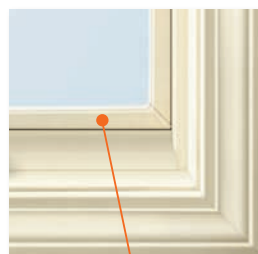


FRAME OPTIONS FOR INSECT SCREENS

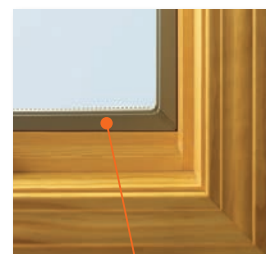
For casement and awning windows, TruScene insect screen frames are available in Stone, White or natural pine veneer that can be stained to match the window interior. Insect screen frames for all other windows are installed on the exterior of the window and match the unit's exterior color.



Pine



White



Stone

ART GLASS

Art glass can help you add interest, create focal points and make your work stand out from your competitors. We offer three distinctly different series of art glass panels for our 400 Series coastal windows that complement any home's architecture.

For more information, visit
andersenwindows.com/artglass

400 SERIES



NOTICE:
Frank Lloyd Wright Series
art glass patterns are
no longer available.

FRANK LLOYD WRIGHT® SERIES

Each of the four patterns inspired by renowned architect Frank Lloyd Wright remains true to the principles of Wright's original work: simplicity, unity and nature.



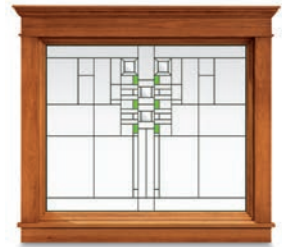
Eucalyptus



Wichita



Colonnade



Prairie Rhythm

CLASSIC SERIES

Create a classic look with five different styles that represent major architectural design themes from the late 1800s through the 1930s, as well as a Southwestern-inspired design.



Diamond Lights



Lotus



Regency



Victoria

ARTISAN SERIES

Two designs influenced by 20th century American and European architectural schools feature striking visual patterns that evoke an extraordinary blend of art and nature.



Harmonics



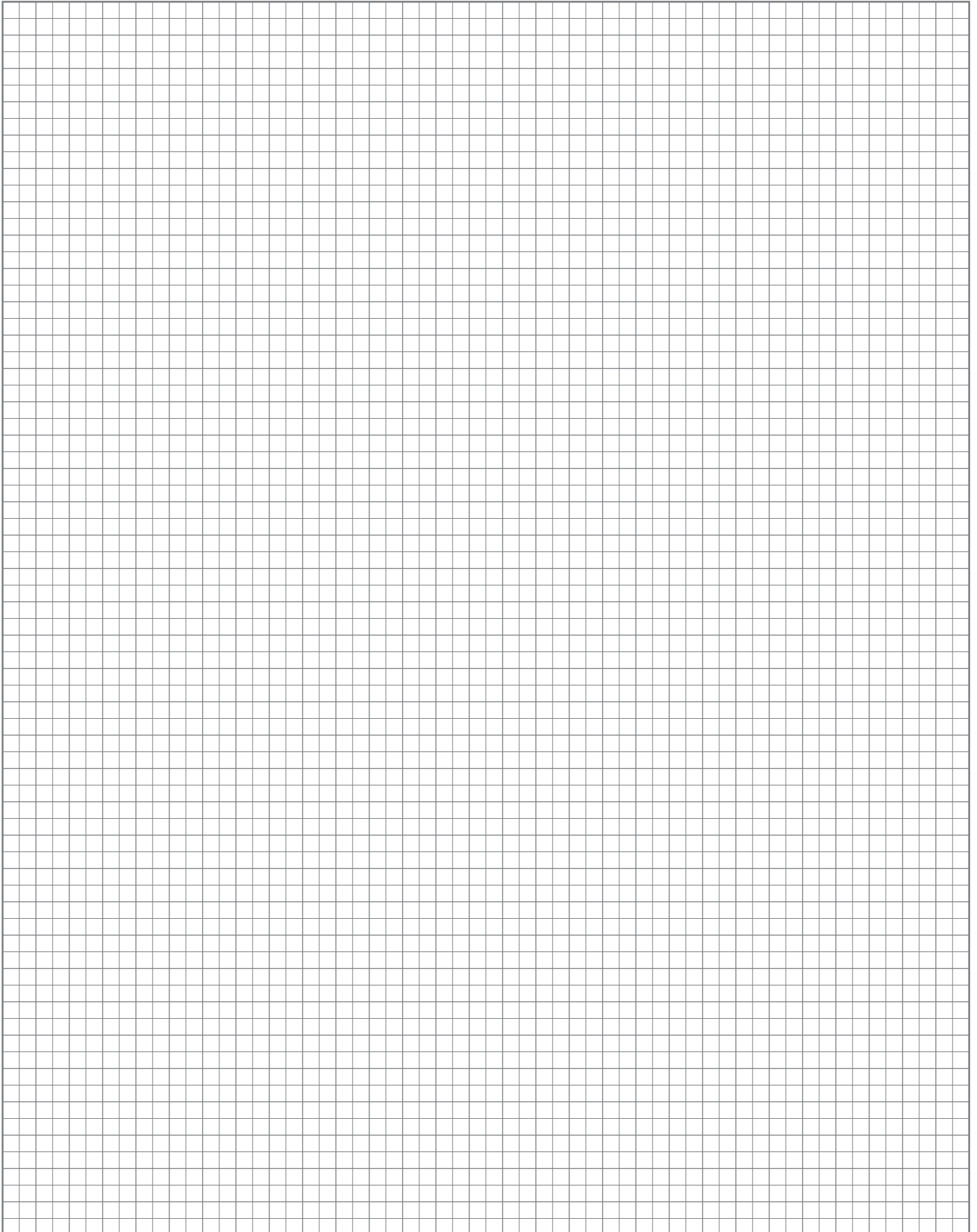
Affinity



Taos

"Frank Lloyd Wright" is a registered trademark
of the Frank Lloyd Wright Foundation.

NOTES



CASEMENT & AWNING WINDOWS

CUSTOM SIZING!
in 1/8" (3) increments



400 Series
Casement & Awning
Windows

SECTION REFERENCE

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Dimensions in parentheses are in millimeters.



FEATURES

Frame

A A seamless one-piece, rigid vinyl frame cover is secured to the exterior of the frame to protect the wood frame from moisture and maintain an attractive appearance while minimizing maintenance.

B Venting units have a full-length, corrosion-resistant exterior frame snigger, adding rigidity to the unit.

C The seamless rigid exterior vinyl cover extends 1 3/8" (35) around the perimeter of the unit. This creates a flange to help seal the unit to the structure.

D Wood frame members are treated with a water-repellent preservative for long-lasting* protection and performance.

E Interior stops are unfinished pine. Low-maintenance prefinished White interiors are also available.

Sash

F Rigid vinyl encases the entire sash — a vinyl weld protects each sash corner for superior weathertightness. It maintains an attractive appearance and minimizes maintenance.

G Wood core members provide excellent structural stability and energy efficiency.

H Flexible bulb weatherstripping or vinyl closed-cell foam weatherstripping is factory installed on the perimeter of the sash.

I A hinge-side sash stiffener bar has been added to the sash of C55 and C6 height windows. On nonventing windows, the sash is held in place with sash clips that use screws instead of standard staples, providing the rigid frame and sash connection that is needed to withstand greater design pressures.

Glass

J A glazing bead and silicone provide superior weathertightness and durability.

K Silicone is applied to the full perimeter of the glass on the interior side of the pane to add strength and stability.



J Consult local building codes for glass most suitable to your area. High-performance glass options include:

- Low-E4® glass (PG Upgrade)
- Low-E4 SmartSun™ glass (PG Upgrade)
- Low-E4 Sun glass (PG Upgrade)
- Low-E4 impact-resistant glass
- Low-E4 SmartSun impact-resistant glass
- Low-E4 Sun impact-resistant glass
- Low-E4 tempered impact-resistant glass options available
- Impact-resistant Monolithic Clear glass
- Impact-resistant Monolithic Gray glass

A removable translucent film helps shield the glass from damage during delivery and construction and simplifies finishing at the jobsite.

Hardware

The Smooth Control™ hardware system employs a worm gear drive for easy operation. Units with a split-arm operator move the sash away from the frame to provide easier glass cleaning.

L Operators and hinges are attached with additional screws for improved strength and stability.

On casement windows, a single-actuation lock releases the sash for easy opening while the reach-out action eliminates binding when closing. The lock handle is offered in finishes that coordinate with your specified hardware style option.

M Some sizes have an additional lock for added reinforcement. C2-C25 sizes have a single lock. C3-C35 sizes have two locks. C4-C6 sizes have three locks.

Awning Sash Locks



Awning sash locks provide an added measure of security and weathertightness. Hardware style and finish options are compatible with Andersen® casement windows to ensure consistency in appearance when used in combination designs.

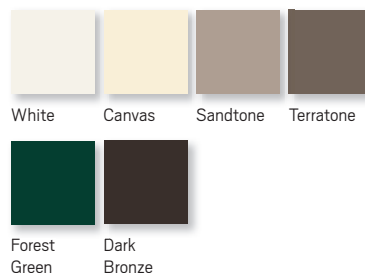
Installation System

N The installation system includes 1 1/2" (38) by 3" (76) stainless steel installation clips for additional reinforcement.

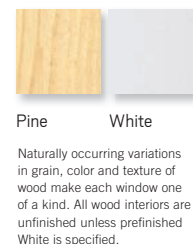
The installation clips are screwed to the frame and fastened to the rough opening for secure installation. Optional 6" (152) clips are available for use with factory-applied or preapplied extension jambs.



EXTERIOR

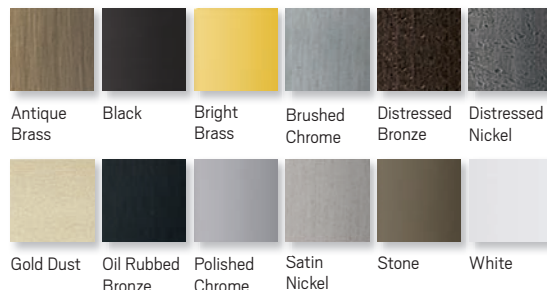


INTERIOR



Naturally occurring variations in grain, color and texture of wood make each window one of a kind. All wood interiors are unfinished unless prefinished White is specified.

HARDWARE FINISHES



CASEMENT & AWNING HARDWARE OPTIONS

CLASSIC SERIES™



Stone | **White**

ESTATE™



Antique Brass | Bright Brass
Brushed Chrome | Distressed Bronze
Distressed Nickel | Oil Rubbed Bronze
Polished Chrome | Satin Nickel

TRADITIONAL FOLDING



Antique Brass | Black | Bright Brass
Distressed Bronze | Distressed Nickel
Gold Dust | Oil Rubbed Bronze
Satin Nickel | Stone | White

CONTEMPORARY FOLDING



Black | Bright Brass
Gold Dust | Oil Rubbed Bronze
Satin Nickel | Stone | White

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the 400 Series with Stormwatch® protection and impact-resistant glass Limited Warranty.

Dimensions in parentheses are in millimeters.

Distressed Bronze and Oil Rubbed Bronze are "living" finishes that will change with time and use. Printing limitations prevent exact duplication of colors and finishes. See your Andersen supplier for actual color and finish samples.

Folding handle avoids interference with window decorating treatments.

Bold name denotes finish shown.

ACCESSORIES

Frame

Extension Jamb



Standard jamb depth is 2 7/8" (73). Extension jambs are available in unfinished pine or prefinished White. Some sizes may be veneered.

Factory-Applied Extension Jambs

Available in 4 1/16" (116) and 6 1/16" (167) sizes. Extension jambs can be factory applied to either three sides (stool and apron application) or four sides (picture frame casing).

Non-Applied Extension Jambs

Non-applied extension jambs are available for the following wall depths:

- 4 1/16" (116)
- 5 1/4" (133)
- 6 1/16" (167)
- 7 1/8" (181)

Drywall Return Bead



A drywall return bead is available for units ordered with prefinished White interiors. Can be ordered factory applied or in non-applied lineals.

Performance Grade (PG) Upgrade

Performance upgrades are available for select casement and awning sizes, allowing these units to achieve the higher performance ratings. Performance Grade (PG) Ratings replace Design Pressure (DP) Ratings for measuring product performance. For up-to-date performance information of individual products please visit andersenwindows.com. Contact your Andersen supplier for availability.

Hardware

Optional Corrosion-Resistant Hardware



Hardware components are made from a variety of non-corrosive materials or coatings for superior harsh and corrosive environmental applications such as heavy industrial or coastal areas.*



Opening Control Device Kit

A Window Opening Control Device Kit is available, which limits opening the sash to less than 4" (102) when the window is first opened. Available in Stone and White.

Special Use Operators

Available in Classic Series™ design only. Andersen® remote power operators cannot be used with awnings with Stormwatch® protection.



Compact Operator Handle

Specially designed for use in situations where blinds or other window treatments interfere with standard operator handle. Available in



White or Stone finish.

Metal T-Handle

Our smallest operator, the metal T-handle may make it more difficult for young children (5 and under) to open the window.

For more information on child safety, write:

Andersen Corporation
LookOut for Kids® Program
100 Fourth Avenue North
Bayport, MN 55003

Call 1-800-313-8889 or email us at:
lofk@andersencorp.com

Easy-Grip Handle

Larger knob makes it easier to grip and operate. Available in White or Stone finish.



Operator Spline Cover



An operator spline cover is an attractive cap that covers the roto operator stud when the handle has been removed to control access or operation of the window. The operator spline cover should not be used on any window designated or intended for emergency escape or rescue. Please consult your local building code official for local egress code requirements.

Glass

Andersen® Art Glass

Andersen art glass panels come in a variety of original patterns, including four Frank Lloyd Wright® Series designs. See page 149 for details on Andersen art glass. Visit andersenwindows.com/artglass for details and pattern information.

Insect Screens

TruScene® Insect Screen



Exclusive Andersen® TruScene® insect screens provide over 50% more clarity than our conventional insect screens for a beautiful unobstructed view. And they allow more fresh air and sunlight, while doing a better job of keeping out small insects. For casement and awning windows, they are available with Stone- or White-colored frames or with pine screen frame interiors to blend with the wood interior of the window.

Conventional Insect Screen

Conventional insect screens have charcoal powder-coated aluminum screen cloth. Available with frames in White or Stone.

Grilles

Grilles are available in a variety of configurations and widths. For casement and awning grille patterns see page 163.

Exterior Trim

This product is available with Andersen® Exterior Trim. See pages 129–136 for details.

CAUTION:

- Painting and staining may cause damage to rigid vinyl.
- 400 Series windows in Terratone color may be painted any color lighter than Terratone color using quality oil-base or latex paint. Submit color samples to Andersen for approval when painting Terratone any color darker than Terratone.
- Do not paint 400 Series windows with White, Canvas, Sandtone, Forest Green or Dark Bronze exterior colors.
- Creosote-based stains should not come in contact with Andersen products.
- Do not paint weatherstripping.
- Abrasive cleaners or solutions containing corrosive solvents should not be used on Andersen products.
- For vinyl painting instructions and preparation, contact your Andersen supplier.
- Andersen does not warrant the adhesion or performance of homeowner-applied paint over vinyl or other factory-coated surfaces.

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the 400 Series with Stormwatch® protection and impact-resistant glass Limited Warranty.

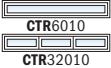
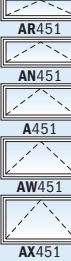
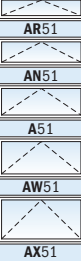
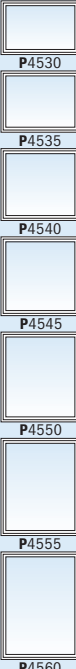
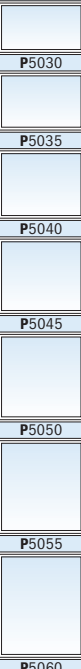
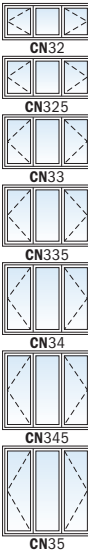
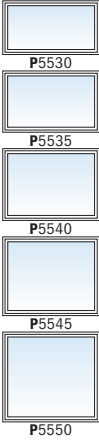
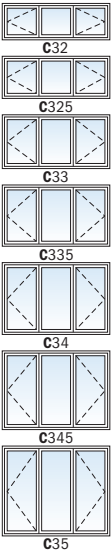
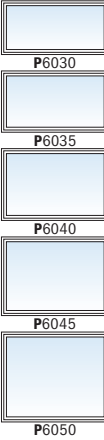
Dimensions in parentheses are in millimeters.

"Frank Lloyd Wright" is a registered trademark of the Frank Lloyd Wright Foundation.

Alignment Grid for Standard Size Casement, Awning, Picture and Transom Windows

	1'-5"	1'-8 1/2"	2'-0 1/8"	2'-4 3/8"	2'-7 1/2"	2'-9 3/4"	2'-11 15/16"	3'-4 3/4"	3'-4 13/16"	4'-0"
Specialty	(432)	(521)	(613)	(721)	(800)	(857)	(913)	(1035)	(1037)	(1219)
See the specialty window section, starting on page 179, for these and other specialty shapes and sizes.			   	   	 		   			  
Transom										
1'-0" (305)									 	   
Awning										
1'-5" (432)										 
1'-8 1/2" (521)										 
2'-0 1/8" (613)										 
2'-4 3/8" (721)										 
2'-7 1/2" (800)										
2'-11 15/16" (913)										
3'-4 3/4" (1035)										
Casement, Awning and Picture										
2'-0 1/8" (613)										
2'-4 3/8" (721)										
2'-11 15/16" (913)										
3'-4 13/16" (1037)										
4'-0" (1219)			 				 			
4'-4 13/16" (1341)										
4'-11 7/8" (1521)										
5'-4 13/16" (1646)										
5'-11 7/8" (1826)			 				 		 	

• Dimensions in parentheses are in millimeters.

4'-4 13/16" (1341)	4'-8 1/2" (1435)	4'-11 7/8" (1521)	5'-1" (1549)	5'-2 3/4" (1594)	5'-4 13/16" (1646)	5'-11 5/8" (1819)	5'-11 7/8" (1826)	7'-0 5/8" (2149)
								
								
 AR451 AN451 A451 AW451 AX451	 AR2251 AN2251 A2251 AW2251 AX2251	 AR51 AN51 A51 AW51 AX51	 AR2281 AN2281 A2281 AW2281 AX2281		 AR231 AN231 A231 AW231 AX231		 AR321 AN321 A321 AW321	 AR3251 AN3251 A3251 AW3251 AX3251
 P4530 P4535 P4540 P4545 P4550 P4555 P4560	 CW22 CW225 CW23 CW235 CW24 CW245 CW25 CW255 CW26	 P5030 P5035 P5040 P5045 P5050 P5055 P5060	 CN32 CN325 CN33 CN335 CN34 CN345 CN35	 P5530 P5535 P5540 P5545 P5550		 C32 C325 C33 C335 C34 C345 C35	 P6030 P6035 P6040 P6045 P6050	

Similar jamb profiles enable these standard-size windows to be combined in multiple combinations. Custom-size windows are also available.

Window widths and heights shown. See individual size charts for additional dimensions.

In addition to venting configurations shown, other standard configurations are available.

Table of Casement and Transom Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-5"	1'-8 1/2"	2'-0 1/8"	2'-4 3/8"	2'-7 1/2"	2'-11 15/16"	2'-9 3/4"	3'-4 3/4"	4'-0"
	(432)	(521)	(613)	(721)	(800)	(913)	(857)	(1035)	(1219)
Minimum Rough Opening	1'-5 1/2" (445)	1'-9" (533)	2'-0 5/8" (625)	2'-4 7/8" (733)	2'-8" (813)	3'-0 1/2" (927)	2'-10 1/4" (870)	3'-5 1/4" (1048)	4'-0 1/2" (1232)
Unobstructed Glass (casement, single sash only)	12 5/8" (321)	16 1/8" (410)	19 3/4" (502)	24" (610)	27 1/8" (689)	31 9/16" (802)	12 5/8" (321)	16 1/8" (410)	19 3/4" (502)
Unobstructed Glass (transom, single sash only)	12 3/16" (310)	15 11/16" (398)	19 5/16" (491)	23 9/16" (599)	26 11/16" (678)	31 1/8" (791)	28 15/16" (735)	35 15/16" (913)	43 3/16" (1097)
CUSTOM WIDTHS – 1'-5" to 5'-11 7/8"									
1'-0"									
1'-0"									
2'-0 1/8"									
2'-4 3/8"									
2'-11 15/16"									
3'-4 13/16"									
4'-0"									
4'-4 13/16"									
4'-11 7/8"									
5'-4 13/16"									
5'-11 7/8"									

• "Window Dimension" always refers to outside frame to frame dimension.

• "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.

• Dimensions in parentheses are in millimeters.

◊ Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610) with appropriate hardware, straight or split arm operator, specified. See tables on pages 160-161.

* Meet clear opening width of 20" (508) using sill hinge control bracket with split arm operator specified (bracket can be pivoted for cleaning position) and meet clear opening width of 22" (559) with straight arm operator specified.

4'-8 1/2" (1435)	5'-1" (1549)	5'-11 7/8" (1826)
4'-9" (1448)	5'-1 1/2" (1562)	6'-0 3/8" (1838)
24" (610)	16 1/8" (410)	19 3/4" (502)
51 11/16" (1313)	56 3/16" (1427)	67 1/16" (1703)



CTR4810



CTR5110



CTR6010



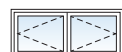
CTR22410



CTR31810



CTR32010



CW22*



CN32



C32



CW225*



CN325



C325



CW23*



CN33



C33



CW235*



CN335



C335



CW24*



CN34



C34



CW245*



CN345



C345



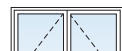
CW25*



CN35



C35



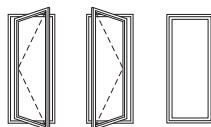
CW255*



CW26*



Custom-size windows are available in 1/8" (3) increments. Windows can also be custom sized to match standard sizes ending in a sixteenth of an inch. **Single windows only.** See pages 167-168 for custom sizes and specifications.



Left Right Stationary

Choose left, right or stationary as viewed from the exterior. In addition to venting shown in table, other standard configurations are available for single, double and triple windows. Transom (CTR) windows are stationary only.

Double and triple windows shown have one continuous outer frame.

Transom (CTR) window can be used over casement or awning windows and may be rotated 90° and used as a sidelight with casement, awning or picture windows.

Grille patterns shown on page 163.

• "Window Dimension" always refers to outside frame to frame dimension.

• "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.

• Dimensions in parentheses are in millimeters.

◊ Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610) with appropriate hardware, straight or split arm operator, specified. See tables on pages 160-161.

*Meet clear opening width of 20" (508) using sill hinge control bracket with split arm operator specified (bracket can be pivoted for cleaning position) and meet clear opening width of 22" (559) with straight arm operator specified.

Table of Awning Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	2'-0 1/8"	2'-4 3/8"	2'-7 1/2"	2'-11 15/16"	3'-4 13/16"	4'-0"	4'-4 13/16"	4'-11 7/8"
Minimum Rough Opening	2'-0 5/8" (625)	2'-4 7/8" (733)	2'-8" (813)	3'-0 1/2" (927)	3'-5 3/8" (1051)	4'-0 1/2" (1232)	4'-5 3/8" (1356)	5'-0 3/8" (1534)
Unobstructed Glass (height single sash only)	19 5/16" (491)	23 9/16" (598)	26 11/16" (678)	31 1/8" (791)	36" (914)	43 3/16" (1097)	48" (1219)	55 1/16" (1399)

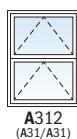
CUSTOM HEIGHTS – 1'-5" to 2'-7 1/2"
1'-5" (432)
1'-8 1/2" (521)
2'-0 1/8" (613)
2'-4 3/8" (721)
2'-7 1/2" (800)
4'-0" (1219)
5'-11 7/8" (1826)

CUSTOM WIDTHS – 2'-0 1/8" to 4'-11 7/8"

AR21	AR251	AR281	AR31	AR351	AR41	AR451	AR51
AN21	AN251	AN281	AN31	AN351	AN41	AN451	AN51
A21	A251	A281	A31	A351	A41	A451	A51
AW21	AW251	AW281	AW31	AW351	AW41	AW451	AW51
AX251	AX281	AX31	AX351	AX41	AX451	AX51	



A212
(A21/A21/A21)



A312
(A31/A31/A31)

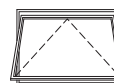
Awning window must be installed to vent as shown and should not be rotated and used as a hopper.

Grille patterns shown on page 163.



Custom-size windows are available in 1/8" (3) increments. Windows can also be custom sized to match standard sizes ending in a sixteenth of an inch.

Single windows only. See page 167 for custom sizes and specifications.



Venting



Stationary

Choose venting or stationary. In addition to venting shown in table, other standard configurations are available for double, triple and stacked windows.

Double, triple and stacked windows shown have one continuous outer frame.

Window Dimension	4'-0"	4'-8 1/2"	5'-2 3/4"	5'-11 5/8"	5'-11 7/8"	7'-0 5/8"
Minimum Rough Opening	4'-0 1/2" (1232)	4'-9" (1448)	5'-3 1/4" (1607)	6'-0 1/8" (1838)	6'-0 3/8" (1838)	7'-1 1/8" (2162)
Unobstructed Glass (single sash only)	19 5/16" (491)	23 9/16" (598)	27 1/8" (689)	31 1/8" (1703)	19 5/16" (491)	23 9/16" (598)

1'-5" (432)
1'-8 1/2" (521)
2'-0 1/8" (613)
2'-4 3/8" (721)
2'-7 1/2" (800)

AR221	AR2251
AN221	AN2251
A221	A2251
AW221	AW2251
AX2251	

AR2281	AR231
AN2281	AN231
A2281	A231
AW2281	AW231
AX2281	AX231

AR321	AR3251
AN321	AN3251
A321	A3251
AW321	AW3251
AX3251	

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.

Table of Picture and Transom Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Unit Dimension	2'-11 15/16"	3'-4 13/16"	4'-0"	4'-4 13/16"	4'-11 7/8"	5'-4 13/16"	5'-11 7/8"
	(913)	(1037)	(1219)	(1341)	(1521)	(1646)	(1826)
Minimum Rough Opening	3'-0 1/2"	3'-5 3/8"	4'-0 1/2"	4'-5 3/8"	5'-0 3/8"	5'-5 3/8"	6'-0 3/8"
	(927)	(1051)	(1232)	(1356)	(1534)	(1660)	(1838)
Unobstructed Glass	31 1/8"	36"	43 3/16"	48"	55 1/16"	60"	67 1/16"
	(791)	(914)	(1097)	(1219)	(1399)	(1524)	(1703)
CUSTOM WIDTHS – 2'-11 15/16" to 5'-11 7/8"							
1'-0"	PTR3010	PTR3510	PTR4010	PTR4510	PTR5010	PTR5510	PTR6010
CUSTOM WIDTHS – 2'-11 15/16" to 4'-11 7/8"							
2'-11 15/16"	P3030	P3530	P4030	P4530	P5030	P5530	P6030
3'-4 13/16"	P3035	P3535	P4035	P4535	P5035	P5535	P6035
4'-0"	P3040	P3540	P4040	P4540	P5040	P5540	P6040
4'-4 13/16"	P3045	P3545	P4045	P4545	P5045	P5545	P6045
4'-11 7/8"	P3050	P3550	P4050	P4550	P5050	P5550	P6050
5'-4 13/16"	P3055	P3555	P4055	P4555	P5055		
5'-11 7/8"	P3060	P3560	P4060	P4560	P5060		
CUSTOM HEIGHTS – 2'-11 15/16" to 5'-11 7/8"							
2'-11 15/16"	P3030	P3530	P4030	P4530	P5030	P5530	P6030
3'-4 13/16"	P3035	P3535	P4035	P4535	P5035	P5535	P6035
4'-0"	P3040	P3540	P4040	P4540	P5040	P5540	P6040
4'-4 13/16"	P3045	P3545	P4045	P4545	P5045	P5545	P6045
4'-11 7/8"	P3050	P3550	P4050	P4550	P5050	P5550	P6050
5'-4 13/16"	P3055	P3555	P4055	P4555	P5055		
5'-11 7/8"	P3060	P3560	P4060	P4560	P5060		

Custom-size windows are available in 1/8" (3) increments. Windows can also be custom sized to match standard sizes ending in a sixteenth of an inch. See page 168 for custom sizes and specifications.

Picture and transom (PTR) windows may be rotated 90° to align with casement or awning windows.

Grille patterns shown on page 163.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.

Casement Window Opening and Area Specifications

Window Number	Clear Opening Straight Arm Sq. Ft./ (m ²)	Clear Opening Split Arm Sq. Ft./ (m ²)	Clear Opening in Full Open Position			Glass Area Sq. Ft./ (m ²)	Straight Arm Vent Sq. Ft./ (m ²)	Split Arm Vent Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
			Straight Arm Width Inches/ (mm)	Split Arm Width Inches/ (mm)	Height Inches/ (mm)					
CR12	—	1.0 (0.09)	—	7 5/16" (186)	19 1/4" (489)	1.7 (0.16)	—	1.5 (0.14)	60 9/16" (1538)	2.8 (0.26)
CR125	—	1.2 (0.11)	—	7 5/16" (186)	23 7/16" (595)	2.0 (0.19)	—	1.8 (0.17)	56 3/8" (1432)	3.3 (0.31)
CR13	—	1.6 (0.15)	—	7 5/16" (186)	31 1/16" (789)	2.7 (0.25)	—	2.4 (0.22)	48 3/4" (1238)	4.2 (0.39)
CR135	—	1.8 (0.17)	—	7 5/16" (186)	35 15/16" (913)	3.1 (0.29)	—	2.7 (0.25)	43 7/8" (1114)	4.8 (0.45)
CR14	—	2.2 (0.20)	—	7 5/16" (186)	43 1/8" (1095)	3.8 (0.35)	—	3.3 (0.31)	36 11/16" (932)	5.7 (0.53)
CR145	—	2.4 (0.22)	—	7 5/16" (186)	47 15/16" (1218)	4.2 (0.39)	—	3.6 (0.33)	31 7/8" (810)	6.2 (0.58)
CR15	—	2.8 (0.26)	—	7 5/16" (186)	55" (1397)	4.8 (0.45)	—	4.2 (0.39)	24 13/16" (630)	7.1 (0.66)
CR155	—	3.1 (0.29)	—	7 5/16" (186)	59 15/16" (1522)	5.2 (0.48)	—	4.5 (0.42)	19 7/8" (505)	7.7 (0.72)
CR16	—	3.4 (0.32)	—	7 5/16" (186)	67" (1702)	5.9 (0.55)	—	5.1 (0.47)	12 13/16" (325)	8.5 (0.79)
CR23	—	1.6 (0.15)	—	7 5/16" (186)	31 1/16" (789)	5.4 (0.50)	—	4.7 (0.44)	48 3/4" (1238)	8.4 (0.78)
CR235	—	1.8 (0.17)	—	7 5/16" (186)	35 15/16" (913)	6.3 (0.59)	—	5.4 (0.50)	43 7/8" (1114)	9.6 (0.89)
CR24	—	2.2 (0.20)	—	7 5/16" (186)	43 1/8" (1095)	7.6 (0.71)	—	6.5 (0.60)	36 11/16" (932)	11.3 (1.05)
CR245	—	2.4 (0.22)	—	7 5/16" (186)	47 15/16" (1218)	8.4 (0.78)	—	7.3 (0.68)	31 7/8" (810)	12.4 (1.15)
CR25	—	2.8 (0.26)	—	7 5/16" (186)	55" (1397)	9.6 (0.89)	—	8.3 (0.77)	24 13/16" (630)	14.2 (1.32)
CR255	—	3.1 (0.29)	—	7 5/16" (186)	59 15/16" (1522)	10.5 (0.98)	—	9.1 (0.85)	19 7/8" (505)	15.4 (1.43)
CR26	—	3.4 (0.32)	—	7 5/16" (186)	67" (1702)	11.7 (1.09)	—	10.2 (0.95)	12 13/16" (325)	17.0 (1.58)
CN12	—	1.5 (0.14)	—	10 13/16" (275)	19 1/4" (489)	2.2 (0.20)	—	1.9 (0.18)	60 9/16" (1538)	3.4 (0.32)
CN125	—	1.8 (0.17)	—	10 13/16" (275)	23 7/16" (595)	2.6 (0.24)	—	2.3 (0.21)	56 3/8" (1432)	4.0 (0.37)
CN13	—	2.3 (0.21)	—	10 13/16" (275)	31 1/16" (789)	3.5 (0.33)	—	3.1 (0.29)	48 3/4" (1238)	5.1 (0.47)
CN135	—	2.7 (0.25)	—	10 13/16" (275)	35 15/16" (913)	4.0 (0.37)	—	3.6 (0.33)	43 7/8" (1114)	5.8 (0.54)
CN14	—	3.2 (0.30)	—	10 13/16" (275)	43 1/8" (1095)	4.8 (0.45)	—	4.3 (0.40)	36 11/16" (932)	6.8 (0.63)
CN145	—	3.6 (0.33)	—	10 13/16" (275)	47 15/16" (1218)	5.4 (0.50)	—	4.8 (0.45)	31 7/8" (810)	7.5 (0.70)
CN15	—	4.1 (0.38)	—	10 13/16" (275)	55" (1397)	6.2 (0.58)	—	5.5 (0.51)	24 13/16" (630)	8.5 (0.79)
CN155	—	4.5 (0.42)	—	10 13/16" (275)	59 15/16" (1522)	6.7 (0.62)	—	6.0 (0.56)	19 7/8" (505)	9.2 (0.85)
CN16	—	5.0 (0.46)	—	10 13/16" (275)	67" (1702)	7.5 (0.70)	—	6.7 (0.62)	12 13/16" (325)	10.2 (0.95)
CN22	—	1.5 (0.14)	—	10 13/16" (275)	19 1/4" (489)	4.4 (0.41)	—	3.8 (0.35)	60 9/16" (1538)	6.8 (0.63)
CN225	—	1.8 (0.17)	—	10 13/16" (275)	23 7/16" (595)	5.2 (0.48)	—	4.6 (0.43)	56 3/8" (1432)	8.0 (0.74)
CN23	—	2.3 (0.21)	—	10 13/16" (275)	31 1/16" (789)	7.0 (0.65)	—	6.2 (0.58)	48 3/4" (1238)	10.2 (0.95)
CN235	—	2.7 (0.25)	—	10 13/16" (275)	35 15/16" (913)	8.0 (0.74)	—	7.2 (0.67)	43 7/8" (1114)	11.5 (1.07)
CN24	—	3.2 (0.30)	—	10 13/16" (275)	43 1/8" (1095)	9.7 (0.90)	—	8.6 (0.80)	36 11/16" (932)	13.6 (1.26)
CN245	—	3.6 (0.33)	—	10 13/16" (275)	47 15/16" (1218)	10.7 (0.99)	—	9.6 (0.89)	31 7/8" (810)	15.0 (1.39)
CN25	—	4.1 (0.38)	—	10 13/16" (275)	55" (1397)	12.3 (1.14)	—	11.0 (1.02)	24 13/16" (630)	16.9 (1.57)
CN255	—	4.5 (0.42)	—	10 13/16" (275)	59 15/16" (1522)	13.4 (1.25)	—	12.0 (1.12)	19 7/8" (505)	18.4 (1.71)
CN26	—	5.0 (0.46)	—	10 13/16" (275)	67" (1702)	15.0 (1.39)	—	13.4 (1.24)	12 13/16" (325)	20.3 (1.89)
CN32	—	1.5 (0.14)	—	10 13/16" (275)	19 1/4" (489)	6.6 (0.61)	—	3.8 (0.35)	60 9/16" (1538)	10.2 (0.95)
CN325	—	1.8 (0.17)	—	10 13/16" (275)	23 7/16" (595)	7.8 (0.72)	—	4.6 (0.43)	56 3/8" (1432)	12.0 (1.12)
CN33	—	2.3 (0.21)	—	10 13/16" (275)	31 1/16" (789)	10.5 (0.98)	—	6.2 (0.58)	48 3/4" (1238)	15.3 (1.42)
CN335	—	2.7 (0.25)	—	10 13/16" (275)	35 15/16" (913)	12.0 (1.11)	—	7.2 (0.67)	43 7/8" (1114)	17.4 (1.62)
CN34	—	3.2 (0.30)	—	10 13/16" (275)	43 1/8" (1095)	14.4 (1.34)	—	8.6 (0.80)	36 11/16" (932)	20.4 (1.90)
CN345	—	3.6 (0.33)	—	10 13/16" (275)	47 15/16" (1218)	16.2 (1.50)	—	9.6 (0.89)	31 7/8" (810)	22.5 (2.09)
CN35	—	4.1 (0.38)	—	10 13/16" (275)	55" (1397)	18.6 (1.73)	—	11.0 (1.02)	24 13/16" (630)	25.5 (2.37)
C12	2.5 (0.23)	1.9 (0.18)	18 5/16" (465)	14 7/16" (367)	19 1/4" (489)	2.6 (0.24)	2.5 (0.23)	2.4 (0.22)	60 9/16" (1538)	4.0 (0.37)
C125	3.0 (0.28)	2.4 (0.22)	18 5/16" (465)	14 7/16" (367)	23 7/16" (595)	3.2 (0.30)	3.0 (0.28)	2.9 (0.27)	56 3/8" (1432)	4.7 (0.44)
C13	4.0 (0.37)	3.1 (0.29)	18 5/16" (465)	14 7/16" (367)	31 1/16" (789)	4.3 (0.40)	4.0 (0.37)	3.9 (0.36)	48 3/4" (1238)	6.0 (0.56)
C135	4.6 (0.43)	3.6 (0.33)	18 5/16" (465)	14 7/16" (367)	35 15/16" (913)	4.9 (0.46)	4.6 (0.43)	4.5 (0.42)	43 7/8" (1114)	6.8 (0.63)
C14	5.5 (0.51)	4.3 (0.40)	18 5/16" (465)	14 7/16" (367)	43 1/8" (1095)	5.9 (0.55)	5.5 (0.51)	5.4 (0.50)	36 11/16" (932)	8.0 (0.74)
C145	6.1 (0.57)	4.8 (0.45)	18 5/16" (465)	14 7/16" (367)	47 15/16" (1218)	6.6 (0.61)	6.1 (0.57)	6.0 (0.56)	31 7/8" (810)	8.8 (0.82)
C15	7.0 (0.65)	5.5 (0.51)	18 5/16" (465)	14 7/16" (367)	55" (1397)	7.5 (0.70)	7.0 (0.65)	6.9 (0.64)	24 13/16" (630)	10.0 (0.93)
C155	7.6 (0.71)	6.0 (0.56)	18 5/16" (465)	14 7/16" (367)	59 15/16" (1522)	8.2 (0.76)	7.6 (0.71)	7.5 (0.70)	19 7/8" (505)	10.9 (1.01)
C16	8.5 (0.79)	6.7 (0.62)	18 5/16" (465)	14 7/16" (367)	67" (1702)	9.2 (0.85)	8.5 (0.79)	8.4 (0.78)	12 13/16" (325)	12.0 (1.11)
C22	2.5 (0.23)	1.9 (0.18)	18 5/16" (465)	14 7/16" (367)	19 1/4" (489)	5.2 (0.48)	5.0 (0.46)	4.8 (0.45)	60 9/16" (1538)	8.0 (0.74)
C225	3.0 (0.28)	2.4 (0.22)	18 5/16" (465)	14 7/16" (367)	23 7/16" (595)	6.4 (0.59)	6.0 (0.56)	5.8 (0.54)	56 3/8" (1432)	9.4 (0.87)
C23	4.0 (0.37)	3.1 (0.29)	18 5/16" (465)	14 7/16" (367)	31 1/16" (789)	8.5 (0.79)	7.9 (0.73)	7.8 (0.72)	48 3/4" (1238)	12.0 (1.11)
C235	4.6 (0.43)	3.6 (0.33)	18 5/16" (465)	14 7/16" (367)	35 15/16" (913)	9.9 (0.92)	9.2 (0.85)	9.0 (0.84)	43 7/8" (1114)	13.6 (1.26)
C24	5.5 (0.51)	4.3 (0.40)	18 5/16" (465)	14 7/16" (367)	43 1/8" (1095)	11.8 (1.10)	11.0 (1.02)	10.8 (1.00)	36 11/16" (932)	16.0 (1.49)
C245	6.1 (0.57)	4.8 (0.45)	18 5/16" (465)	14 7/16" (367)	47 15/16" (1218)	13.1 (1.22)	12.2 (1.13)	12.0 (1.11)	31 7/8" (810)	17.6 (1.64)
C25	7.0 (0.65)	5.5 (0.51)	18 5/16" (465)	14 7/16" (367)	55" (1397)	15.1 (1.40)	14.0 (1.30)	13.8 (1.28)	24 13/16" (630)	20.0 (1.86)
C255	7.6 (0.71)	6.0 (0.56)	18 5/16" (465)	14 7/16" (367)	59 15/16" (1522)	16.4 (1.52)	15.3 (1.42)	15.0 (1.39)	19 7/8" (505)	21.6 (2.01)
C26	8.5 (0.79)	6.7 (0.62)	18 5/16" (465)	14 7/16" (367)	67" (1702)	18.4 (1.71)	17.1 (1.59)	16.8 (1.56)	12 13/16" (325)	24.0 (2.23)

• "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
 • Dimensions in parentheses are in millimeters or square meters.

continued on next page

Casement Window Opening and Area Specifications (continued)

Window Number	Clear Opening in Full Open Position										Glass Area Sq. Ft./ (m ²)	Straight Arm Vent Sq. Ft./ (m ²)	Split Arm Vent Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m ²)					
	Clear Opening Straight Arm Sq. Ft./ (m ²)		Clear Opening Split Arm Sq. Ft./ (m ²)		Straight Arm Width Inches/(mm)		Split Arm Width Inches/(mm)		Height Inches/(mm)											
C32	2.5	(0.23)	1.9	(0.18)	18 5/16"	(465)	14 7/16"	(367)	19 1/4"	(489)	7.8	(0.72)	5.0	(0.46)	4.8	(0.45)	60 9/16"	(1538)	12.0	(1.11)
C325	3.0	(0.28)	2.4	(0.22)	18 5/16"	(465)	14 7/16"	(367)	23 7/16"	(595)	9.6	(0.89)	6.0	(0.56)	5.8	(0.54)	56 3/8"	(1432)	14.1	(1.31)
C33	4.0	(0.37)	3.1	(0.29)	18 5/16"	(465)	14 7/16"	(367)	31 1/16"	(789)	12.8	(1.19)	7.9	(0.73)	7.8	(0.72)	48 3/4"	(1238)	17.9	(1.66)
C335	4.6	(0.43)	3.6	(0.33)	18 5/16"	(465)	14 7/16"	(367)	35 15/16"	(913)	14.8	(1.37)	9.2	(0.85)	9.0	(0.84)	43 7/8"	(1114)	20.4	(1.90)
C34	5.5	(0.51)	4.3	(0.40)	18 5/16"	(465)	14 7/16"	(367)	43 1/8"	(1095)	17.7	(1.64)	11.0	(1.02)	10.8	(1.00)	36 11/16"	(932)	24.0	(2.23)
C345	6.1	(0.57)	4.8	(0.45)	18 5/16"	(465)	14 7/16"	(367)	47 15/16"	(1218)	19.7	(1.83)	12.2	(1.13)	12.0	(1.11)	31 7/8"	(810)	26.4	(2.45)
C35	7.0	(0.65)	5.5	(0.51)	18 5/16"	(465)	14 7/16"	(367)	55"	(1397)	22.6	(2.10)	14.0	(1.30)	13.8	(1.28)	24 13/16"	(630)	29.9	(2.78)
CW12	3.0	(0.28)	2.5	(0.23)	22 9/16"	(573)	18 11/16"	(475)	19 1/4"	(489)	3.2	(0.30)	3.0	(0.28)	3.0	(0.28)	60 9/16"	(1538)	4.8	(0.45)
CW125	3.7	(0.34)	3.0	(0.28)	22 9/16"	(573)	18 11/16"	(475)	23 7/16"	(595)	3.9	(0.36)	3.7	(0.34)	3.6	(0.33)	56 3/8"	(1432)	5.6	(0.52)
CW13	4.9	(0.46)	4.0	(0.37)	22 9/16"	(573)	18 11/16"	(475)	31 1/16"	(789)	5.2	(0.48)	4.9	(0.46)	4.8	(0.45)	48 3/4"	(1238)	7.1	(0.66)
CW135 ◊	5.7	(0.53)	5.1	(0.47)	22 9/16"	(573)	20"	(508)	36 3/8"	(924)	6.0	(0.56)	5.7	(0.53)	5.5	(0.51)	43 7/8"	(1114)	8.0	(0.74)
CW14 ◊	6.8	(0.63)	6.0	(0.56)	22 9/16"	(573)	20"	(508)	43 1/8"	(1095)	7.2	(0.67)	6.8	(0.63)	6.6	(0.61)	36 11/16"	(932)	9.5	(0.88)
CW145 ◊	7.5	(0.70)	6.7	(0.62)	22 9/16"	(573)	20"	(508)	47 15/16"	(1218)	8.0	(0.74)	7.5	(0.70)	7.3	(0.68)	31 7/8"	(810)	10.4	(0.97)
CW15 ◊	8.6	(0.80)	7.6	(0.71)	22 9/16"	(573)	20"	(508)	55"	(1397)	9.2	(0.86)	8.6	(0.80)	8.4	(0.78)	24 13/16"	(630)	11.8	(1.10)
CW155 ◊	9.4	(0.87)	8.3	(0.77)	22 9/16"	(573)	20"	(508)	59 15/16"	(1522)	10.0	(0.93)	9.4	(0.87)	9.1	(0.85)	19 7/8"	(505)	12.8	(1.19)
CW16 ◊	10.5	(0.98)	9.3	(0.86)	22 9/16"	(573)	20"	(508)	67"	(1702)	11.2	(1.04)	10.5	(0.98)	10.2	(0.95)	12 13/16"	(325)	14.2	(1.32)
CW22	3.0	(0.28)	2.5	(0.23)	22 9/16"	(573)	18 11/16"	(475)	19 1/4"	(489)	6.4	(0.59)	6.0	(0.56)	6.0	(0.56)	60 9/16"	(1538)	9.6	(0.89)
CW225	3.7	(0.34)	3.0	(0.28)	22 9/16"	(573)	18 11/16"	(475)	23 7/16"	(595)	7.8	(0.72)	7.4	(0.69)	7.2	(0.67)	56 3/8"	(1432)	11.2	(1.04)
CW23	4.9	(0.46)	4.0	(0.37)	22 9/16"	(573)	18 11/16"	(475)	31 1/16"	(789)	10.4	(0.97)	9.8	(0.91)	9.6	(0.89)	48 3/4"	(1238)	14.1	(1.31)
CW235 ◊	5.7	(0.53)	5.1	(0.47)	22 9/16"	(573)	20"	(508)	36 3/8"	(913)	12.0	(1.11)	11.4	(1.06)	11.1	(1.03)	43 7/8"	(1114)	16.0	(1.49)
CW24 ◊	6.8	(0.63)	6.0	(0.56)	22 9/16"	(573)	20"	(508)	43 1/8"	(1095)	14.4	(1.34)	13.5	(1.25)	13.1	(1.22)	36 11/16"	(932)	18.8	(1.75)
CW245 ◊	7.5	(0.70)	6.7	(0.62)	22 9/16"	(573)	20"	(508)	47 15/16"	(1218)	16.0	(1.49)	15.0	(1.39)	14.6	(1.36)	31 7/8"	(810)	20.8	(1.93)
CW25 ◊	8.6	(0.80)	7.6	(0.71)	22 9/16"	(573)	20"	(508)	55"	(1397)	18.3	(1.70)	17.3	(1.61)	16.7	(1.55)	24 13/16"	(630)	23.5	(2.18)
CW255 ◊	9.4	(0.87)	8.3	(0.77)	22 9/16"	(573)	20"	(508)	59 15/16"	(1522)	20.0	(1.86)	18.8	(1.75)	18.2	(1.69)	19 7/8"	(505)	25.6	(2.38)
CW26 ◊	10.5	(0.98)	9.3	(0.86)	22 9/16"	(573)	20"	(508)	67"	(1702)	22.3	(2.07)	21.0	(1.95)	20.4	(1.90)	12 13/16"	(325)	28.2	(2.62)
CX125	4.2	(0.39)	3.5	(0.33)	25 11/16"	(653)	21 13/16"	(554)	23 7/16"	(595)	4.4	(0.41)	4.2	(0.39)	4.1	(0.38)	56 3/8"	(1432)	6.2	(0.58)
CX13	5.5	(0.51)	4.7	(0.44)	25 11/16"	(653)	21 13/16"	(554)	31 1/16"	(789)	5.9	(0.55)	5.5	(0.51)	5.4	(0.50)	48 3/4"	(1238)	7.9	(0.73)
CX135 ◊	6.4	(0.59)	5.4	(0.50)	25 11/16"	(653)	21 13/16"	(554)	35 15/16"	(913)	6.8	(0.63)	6.4	(0.60)	6.3	(0.59)	43 7/8"	(1114)	8.9	(0.83)
CX14 ◊	7.7	(0.72)	6.5	(0.60)	25 11/16"	(653)	21 13/16"	(554)	43 1/8"	(1095)	8.1	(0.75)	7.7	(0.72)	7.6	(0.71)	36 11/16"	(932)	10.5	(0.98)
CX145 ◊	8.6	(0.80)	7.3	(0.68)	25 11/16"	(653)	21 13/16"	(554)	47 15/16"	(1218)	9.0	(0.84)	8.6	(0.80)	8.4	(0.78)	31 7/8"	(810)	11.6	(1.08)
CX15 ◊	9.8	(0.91)	8.3	(0.77)	25 11/16"	(653)	21 13/16"	(554)	55"	(1397)	10.4	(0.97)	9.8	(0.91)	9.7	(0.90)	24 13/16"	(630)	13.1	(1.22)
CX155 ◊	10.7	(0.99)	9.1	(0.85)	25 11/16"	(653)	21 13/16"	(554)	59 15/16"	(1522)	11.3	(1.05)	10.7	(0.99)	10.5	(0.98)	19 7/8"	(505)	14.2	(1.32)
CX16 ◊	12.0	(1.11)	10.1	(0.94)	25 11/16"	(653)	21 13/16"	(554)	67"	(1702)	12.6	(1.17)	12.0	(1.11)	11.8	(1.10)	12 13/16"	(325)	15.7	(1.46)
CXW13 ◊	6.5	(0.60)	5.6	(0.52)	30 1/8"	(765)	26 1/4"	(667)	31 1/16"	(789)	6.8	(0.63)	6.5	(0.60)	6.1	(0.57)	48 3/4"	(1238)	9.0	(0.84)
CXW135 ◊	7.5	(0.70)	6.6	(0.61)	30 1/8"	(765)	26 1/4"	(667)	35 15/16"	(913)	7.9	(0.73)	7.5	(0.70)	7.0	(0.65)	43 7/8"	(1114)	10.2	(0.95)
CXW14 ◊	9.0	(0.84)	7.9	(0.73)	30 1/8"	(765)	26 1/4"	(667)	43 1/8"	(1095)	9.5	(0.88)	9.0	(0.84)	8.4	(0.78)	36 11/16"	(932)	12.0	(1.11)
CXW145 ◊	10.0	(0.93)	8.8	(0.82)	30 1/8"	(765)	26 1/4"	(667)	47 15/16"	(1218)	10.5	(0.98)	10.0	(0.93)	9.4	(0.87)	31 7/8"	(810)	13.2	(1.23)

- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.
- ◊ Meet or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610) with appropriate hardware, straight or split arm operator, specified.

Awning Window Opening and Area Specifications

Window Number	Clear Opening in Full Open Position			Glass Area Sq. Ft./ (m ²)	Vent Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m ²)
	Clear Opening Sq. Ft./ (m ²)	Width Inches/(mm)	Height Inches/(mm)				
AR21	0.9 (0.08)	19 1/2" (495)	6 3/8" (162)	1.7 (0.16)	0.9 (0.08)	67 7/16" (1713)	2.8 (0.26)
AR251	1.1 (0.10)	23 3/4" (603)	6 3/8" (162)	2.0 (0.19)	1.1 (0.10)	67 7/16" (1713)	3.3 (0.31)
AR281	1.2 (0.11)	26 7/8" (683)	6 3/8" (162)	2.3 (0.21)	1.2 (0.11)	67 7/16" (1713)	3.7 (0.34)
AR31	1.4 (0.13)	31 5/16" (795)	6 3/8" (162)	2.7 (0.25)	1.4 (0.13)	67 7/16" (1713)	4.2 (0.39)
AR351	1.6 (0.15)	36 3/16" (919)	6 3/8" (162)	3.1 (0.29)	1.6 (0.15)	67 7/16" (1713)	4.8 (0.45)
AR41	1.9 (0.18)	43 3/8" (1102)	6 3/8" (162)	3.8 (0.35)	1.9 (0.18)	67 7/16" (1713)	5.7 (0.53)
AR451	2.1 (0.20)	48 3/16" (1224)	6 3/8" (162)	4.2 (0.39)	2.1 (0.20)	67 7/16" (1713)	6.2 (0.58)
AR51	2.5 (0.23)	55 1/2" (1410)	6 3/8" (162)	4.8 (0.45)	2.5 (0.23)	67 7/16" (1713)	7.1 (0.66)
AR221	0.9 (0.08)	19 1/2" (495)	6 3/8" (162)	3.4 (0.32)	1.7 (0.16)	67 7/16" (1713)	5.6 (0.52)
AR2251	1.1 (0.10)	23 3/4" (603)	6 3/8" (162)	4.0 (0.37)	2.1 (0.20)	67 7/16" (1713)	6.6 (0.61)
AR2281	1.2 (0.11)	26 7/8" (683)	6 3/8" (162)	4.6 (0.43)	2.4 (0.22)	67 7/16" (1713)	7.4 (0.69)
AR231	1.4 (0.13)	31 5/16" (795)	6 3/8" (162)	5.4 (0.50)	2.8 (0.26)	67 7/16" (1713)	8.4 (0.78)
AR321	0.9 (0.08)	19 1/2" (495)	6 3/8" (162)	5.1 (0.47)	2.6 (0.24)	67 7/16" (1713)	8.4 (0.78)

- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.

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Awning Window Opening and Area Specifications (continued)

Window Number	Clear Opening Sq. Ft./ (m ²)		Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
			Width Inches/ (mm)	Height Inches/ (mm)				
AR3251	1.1	(0.10)	23 3/4" (603)	6 3/8" (162)	6.0 (0.56)	3.2 (0.30)	67 7/16" (1713)	9.9 (0.92)
AN21	0.9	(0.08)	19 1/2" (495)	6 7/16" (164)	2.2 (0.20)	0.9 (0.08)	63 15/16" (1624)	3.4 (0.32)
AN251	1.1	(0.10)	23 3/4" (603)	6 7/16" (164)	2.6 (0.24)	1.1 (0.10)	63 15/16" (1624)	4.0 (0.37)
AN281	1.2	(0.11)	26 7/8" (683)	6 7/16" (164)	3.0 (0.28)	1.2 (0.11)	63 15/16" (1624)	4.5 (0.42)
AN31	1.4	(0.13)	31 5/16" (795)	6 7/16" (164)	3.5 (0.33)	1.4 (0.13)	63 15/16" (1624)	5.1 (0.47)
AN351	1.6	(0.15)	36 3/16" (919)	6 7/16" (164)	4.0 (0.37)	1.6 (0.15)	63 15/16" (1624)	5.8 (0.54)
AN41	1.9	(0.18)	43 3/8" (1102)	6 7/16" (164)	4.8 (0.45)	1.9 (0.18)	63 15/16" (1624)	6.8 (0.63)
AN451	2.2	(0.20)	48 3/16" (1224)	6 7/16" (164)	5.4 (0.50)	2.2 (0.20)	63 15/16" (1624)	7.5 (0.70)
AN51	2.5	(0.23)	55 1/2" (1410)	6 7/16" (164)	6.2 (0.58)	2.5 (0.23)	63 15/16" (1624)	8.5 (0.79)
AN221	0.9	(0.08)	19 1/2" (495)	6 7/16" (164)	4.4 (0.41)	1.7 (0.16)	63 15/16" (1624)	6.8 (0.63)
AN2251	1.1	(0.10)	23 3/4" (603)	6 7/16" (164)	5.2 (0.48)	2.1 (0.20)	63 15/16" (1624)	8.0 (0.74)
AN2281	1.2	(0.11)	26 7/8" (683)	6 7/16" (164)	6.0 (0.56)	2.4 (0.22)	63 15/16" (1624)	9.0 (0.84)
AN231	1.4	(0.13)	31 5/16" (795)	6 7/16" (164)	7.0 (0.65)	2.8 (0.26)	63 15/16" (1624)	10.2 (0.95)
AN321	0.9	(0.08)	19 1/2" (495)	6 7/16" (164)	6.6 (0.61)	2.6 (0.24)	63 15/16" (1624)	10.2 (0.95)
AN3251	1.1	(0.10)	23 3/4" (603)	6 7/16" (164)	7.8 (0.72)	3.2 (0.30)	63 15/16" (1624)	12.0 (1.11)
A21	0.9	(0.08)	19 1/2" (495)	6 1/2" (165)	2.6 (0.24)	0.9 (0.08)	60 5/16" (1532)	4.0 (0.37)
A251	1.1	(0.10)	23 3/4" (603)	6 1/2" (165)	3.2 (0.30)	1.1 (0.10)	60 5/16" (1532)	4.8 (0.45)
A281	1.2	(0.11)	26 7/8" (683)	6 1/2" (165)	3.7 (0.34)	1.2 (0.11)	60 5/16" (1532)	5.3 (0.49)
A31	1.4	(0.13)	31 5/16" (795)	6 1/2" (165)	4.3 (0.40)	1.4 (0.13)	60 5/16" (1532)	6.0 (0.56)
A351	1.6	(0.15)	36 3/16" (919)	6 1/2" (165)	4.9 (0.46)	1.6 (0.15)	60 5/16" (1532)	6.8 (0.63)
A41	2.0	(0.19)	43 3/8" (1102)	6 1/2" (165)	5.9 (0.55)	2.0 (0.19)	60 5/16" (1532)	8.0 (0.74)
A451	2.2	(0.20)	48 3/16" (1224)	6 1/2" (165)	6.6 (0.61)	2.2 (0.20)	60 5/16" (1532)	8.8 (0.82)
A51	2.5	(0.23)	55 1/2" (1410)	6 1/2" (165)	7.5 (0.70)	2.5 (0.23)	60 5/16" (1532)	10.0 (0.93)
A221	0.9	(0.08)	19 1/2" (495)	6 1/2" (165)	5.2 (0.48)	1.8 (0.17)	60 5/16" (1532)	8.0 (0.74)
A2251	1.1	(0.10)	23 3/4" (603)	6 1/2" (165)	6.4 (0.60)	2.1 (0.20)	60 5/16" (1532)	9.6 (0.89)
A2281	1.2	(0.11)	26 7/8" (683)	6 1/2" (165)	7.4 (0.69)	2.4 (0.22)	60 5/16" (1532)	10.6 (0.98)
A231	1.4	(0.13)	31 5/16" (795)	6 1/2" (165)	8.6 (0.80)	2.8 (0.26)	60 5/16" (1532)	12.0 (1.11)
A321	0.9	(0.08)	19 1/2" (495)	6 1/2" (165)	7.8 (0.72)	2.6 (0.24)	60 5/16" (1532)	12.0 (1.11)
A3251	1.1	(0.10)	23 3/4" (603)	6 1/2" (165)	9.6 (0.89)	3.2 (0.30)	60 5/16" (1532)	14.4 (1.34)
AW21	0.9	(0.08)	19 1/2" (495)	6 1/2" (165)	3.2 (0.30)	0.9 (0.08)	56 1/16" (1424)	4.8 (0.45)
AW251	1.1	(0.10)	23 3/4" (603)	6 1/2" (165)	3.9 (0.36)	1.1 (0.10)	56 1/16" (1424)	5.6 (0.52)
AW281	1.2	(0.11)	26 7/8" (683)	6 1/2" (165)	4.4 (0.41)	1.2 (0.11)	56 1/16" (1424)	6.2 (0.58)
AW31	1.4	(0.13)	31 5/16" (795)	6 1/2" (165)	5.2 (0.48)	1.4 (0.13)	56 1/16" (1424)	7.1 (0.66)
AW351	1.6	(0.15)	36 3/16" (919)	6 1/2" (165)	6.0 (0.56)	1.6 (0.15)	56 1/16" (1424)	8.0 (0.74)
AW41	2.0	(0.19)	43 3/8" (1102)	6 1/2" (165)	7.2 (0.67)	2.0 (0.19)	56 1/16" (1424)	9.5 (0.88)
AW451	2.2	(0.20)	48 3/16" (1224)	6 1/2" (165)	8.0 (0.74)	2.2 (0.20)	56 1/16" (1424)	10.4 (0.97)
AW51	2.5	(0.23)	55 1/2" (1410)	6 1/2" (165)	9.2 (0.85)	2.5 (0.23)	56 1/16" (1424)	11.8 (1.10)
AW221	0.9	(0.08)	19 1/2" (495)	6 1/2" (165)	6.4 (0.59)	1.8 (0.17)	56 1/16" (1424)	9.6 (0.89)
AW2251	1.1	(0.10)	23 3/4" (603)	6 1/2" (165)	7.8 (0.72)	2.1 (0.20)	56 1/16" (1424)	11.2 (1.04)
AW2281	1.2	(0.11)	26 7/8" (683)	6 1/2" (165)	8.8 (0.82)	2.4 (0.22)	56 1/16" (1424)	12.4 (1.15)
AW231	1.4	(0.13)	31 5/16" (795)	6 1/2" (165)	10.4 (0.97)	2.8 (0.26)	56 1/16" (1424)	14.2 (1.32)
AW321	0.9	(0.08)	19 1/2" (495)	6 1/2" (165)	9.6 (0.89)	2.6 (0.24)	56 1/16" (1424)	14.4 (1.34)
AW3251	1.1	(0.10)	23 3/4" (603)	6 1/2" (165)	11.7 (1.09)	3.2 (0.30)	56 1/16" (1424)	16.8 (1.56)
AX251	1.1	(0.10)	23 3/4" (603)	6 1/2" (165)	4.4 (0.41)	1.1 (0.10)	53 15/16" (1370)	6.2 (0.58)
AX281	1.2	(0.11)	26 7/8" (683)	6 1/2" (165)	5.0 (0.46)	1.2 (0.11)	53 15/16" (1370)	6.9 (0.64)
AX31	1.4	(0.13)	31 5/16" (795)	6 1/2" (165)	5.9 (0.55)	1.4 (0.13)	53 15/16" (1370)	7.9 (0.73)
AX351	1.6	(0.15)	36 3/16" (919)	6 1/2" (165)	6.8 (0.63)	1.6 (0.15)	53 15/16" (1370)	8.9 (0.83)
AX41	2.0	(0.19)	43 3/8" (1102)	6 1/2" (165)	8.1 (0.75)	2.0 (0.19)	53 15/16" (1370)	10.5 (0.98)
AX451	2.2	(0.20)	48 3/16" (1224)	6 1/2" (165)	9.0 (0.84)	2.2 (0.20)	53 15/16" (1370)	11.6 (1.08)
AX51	2.5	(0.23)	55 1/2" (1410)	6 1/2" (165)	10.4 (0.97)	2.5 (0.23)	53 15/16" (1370)	13.1 (1.22)
AX2251	1.1	(0.10)	23 3/4" (603)	6 1/2" (165)	8.9 (0.83)	2.1 (0.20)	53 15/16" (1370)	12.4 (1.15)
AX2281	1.2	(0.11)	26 7/8" (683)	6 1/2" (165)	10.0 (0.93)	2.4 (0.22)	53 15/16" (1370)	13.8 (1.28)
AX231	1.4	(0.13)	31 5/16" (795)	6 1/2" (165)	11.7 (1.09)	2.8 (0.26)	53 15/16" (1370)	15.7 (1.46)
AX3251	1.1	(0.10)	23 3/4" (603)	6 1/2" (165)	13.3 (1.24)	3.2 (0.30)	53 15/16" (1370)	18.6 (1.73)
A212	0.9	(0.08)	19 1/2" (495)	6 1/2" (165)	5.2 (0.48)	1.8 (0.17)	60 5/16" (1532)	8.0 (0.74)
A213	0.9	(0.08)	19 1/2" (495)	6 1/2" (165)	7.8 (0.72)	2.6 (0.24)	60 5/16" (1532)	12.0 (1.11)
A312	1.4	(0.13)	31 5/16" (795)	6 1/2" (165)	8.6 (0.80)	2.8 (0.26)	60 5/16" (1532)	12.0 (1.11)
A313	1.4	(0.13)	31 5/16" (795)	6 1/2" (165)	12.9 (1.20)	4.2 (0.39)	60 5/16" (1532)	18.0 (1.67)

- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.

Transom Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
CTR1510	0.7 (0.07)	1.4 (0.13)
CTR1810	0.8 (0.07)	1.7 (0.16)
CTR21810	1.7 (0.16)	3.4 (0.32)
CTR31810	2.6 (0.24)	5.1 (0.47)
CTR2010	1.0 (0.09)	2.0 (0.19)
CTR22010	2.1 (0.20)	4.0 (0.37)
CTR32010	3.1 (0.29)	6.0 (0.56)
CTR2410	1.2 (0.11)	2.4 (0.22)
CTR22410	2.5 (0.23)	4.7 (0.44)
CTR2810	1.4 (0.13)	2.6 (0.24)
CTR3010	1.6 (0.15)	3.0 (0.28)
CTR5110	2.8 (0.26)	5.1 (0.47)
CTR2910	1.5 (0.14)	2.8 (0.26)
CTR3410	1.8 (0.17)	3.4 (0.32)
CTR4010	2.2 (0.20)	4.0 (0.37)
CTR4810	2.6 (0.24)	4.7 (0.44)
CTR6010	3.4 (0.32)	6.0 (0.56)
PTR3010	1.6 (0.15)	3.0 (0.28)
PTR3510	1.8 (0.17)	3.4 (0.32)
PTR4010	2.2 (0.20)	4.0 (0.37)
PTR4510	2.4 (0.22)	4.4 (0.41)
PTR5010	2.8 (0.26)	5.0 (0.46)
PTR5510	3.0 (0.28)	5.4 (0.50)
PTR6010	3.4 (0.32)	6.0 (0.56)

Picture Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
P3030	6.8 (0.63)	9.0 (0.84)
P3035	7.8 (0.72)	10.2 (0.95)
P3040	9.4 (0.87)	12.0 (1.11)
P3045	10.4 (0.97)	13.2 (1.23)
P3050	12.0 (1.11)	14.9 (1.38)
P3055	13.0 (1.21)	16.2 (1.50)
P3060	14.6 (1.36)	17.9 (1.66)
P3530	7.8 (0.72)	10.2 (0.95)
P3535	9.0 (0.84)	11.6 (1.08)
P3540	10.8 (1.00)	13.6 (1.26)
P3545	12.1 (1.12)	15.0 (1.39)
P3550	13.8 (1.28)	17.0 (1.58)
P3555	15.1 (1.40)	18.4 (1.71)
P3560	16.8 (1.56)	20.4 (1.90)
P4030	9.4 (0.87)	12.0 (1.11)
P4035	10.8 (1.00)	13.6 (1.26)
P4040	13.0 (1.21)	16.0 (1.49)
P4045	14.5 (1.35)	17.6 (1.64)
P4050	16.6 (1.54)	20.0 (1.86)
P4055	18.1 (1.68)	21.6 (2.01)
P4060	20.2 (1.88)	24.0 (2.23)
P4530	10.4 (0.97)	13.2 (1.23)
P4535	12.1 (1.12)	15.0 (1.39)
P4540	14.5 (1.35)	17.6 (1.64)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
P4545	16.1 (1.50)	19.4 (1.80)
P4550	18.4 (1.71)	22.0 (2.04)
P4555	20.1 (1.87)	23.8 (2.21)
P4560	22.4 (2.08)	26.4 (2.45)
P5030	12.0 (1.11)	14.9 (1.38)
P5035	13.8 (1.28)	17.0 (1.58)
P5040	16.6 (1.54)	20.0 (1.86)
P5045	18.4 (1.71)	22.0 (2.04)
P5050	21.1 (1.96)	24.9 (2.31)
P5055	23.0 (2.14)	26.9 (2.50)
P5060	25.7 (2.39)	29.9 (2.78)
P5530	13.0 (1.21)	16.2 (1.50)
P5535	15.1 (1.40)	18.4 (1.71)
P5540	18.1 (1.68)	21.6 (2.01)
P5545	20.1 (1.87)	23.8 (2.21)
P5550	23.0 (2.14)	26.9 (2.50)
P6030	14.6 (1.36)	17.9 (1.66)
P6035	16.8 (1.56)	20.4 (1.90)
P6040	20.2 (1.88)	24.0 (2.23)
P6045	22.4 (2.08)	26.4 (2.45)
P6050	25.7 (2.39)	29.9 (2.78)

• Dimensions in parentheses are in square meters.

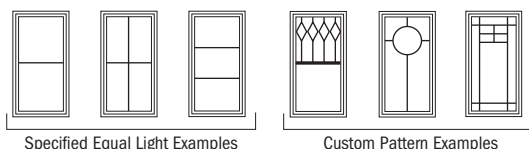
Grille Patterns

	Diamond*	Prairie A	Specified Equal Light with Check Rail (Simulated Check Rail)	Colonial	Modified** Colonial	Modified** Colonial SCR (Simulated Check Rail)	Tall Fractional	Tall Fractional SCR (Simulated Check Rail)	Short Fractional	Short Fractional SCR (Simulated Check Rail)	Victorian
Casement											
Awning											
Picture											
Transom											

• Andersen® Finelight™ grilles available in 3/4" (19) profile only.

*Available only in Simulated Divided Light (SDL) configuration and only in 3/4" (19) and 7/8" (22) widths.

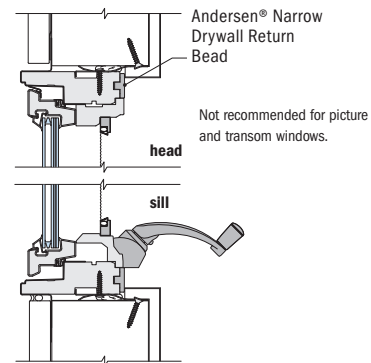
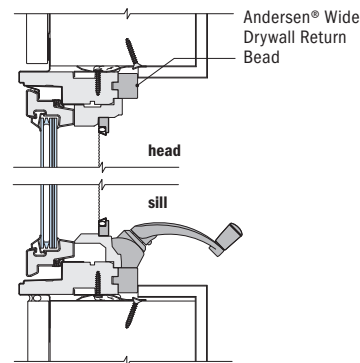
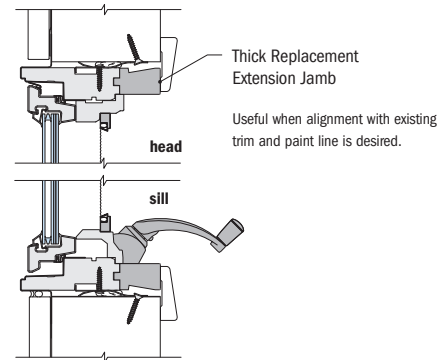
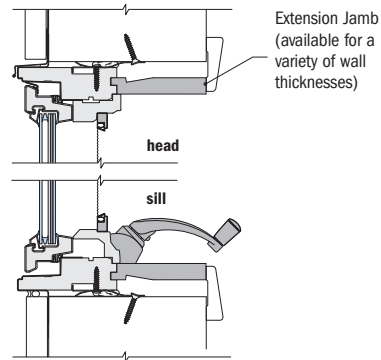
**Location from top of window to bottom of divided light pattern is available at 8" (203), 10" (254), 12" (305), center and custom dimensions.



Number of lights and overall pattern varies with window size. Patterns shown may not be available for all sizes. Specified equal light and custom patterns are also available. For more information on divided light see page 147 or visit andersenwindows.com/grilles.

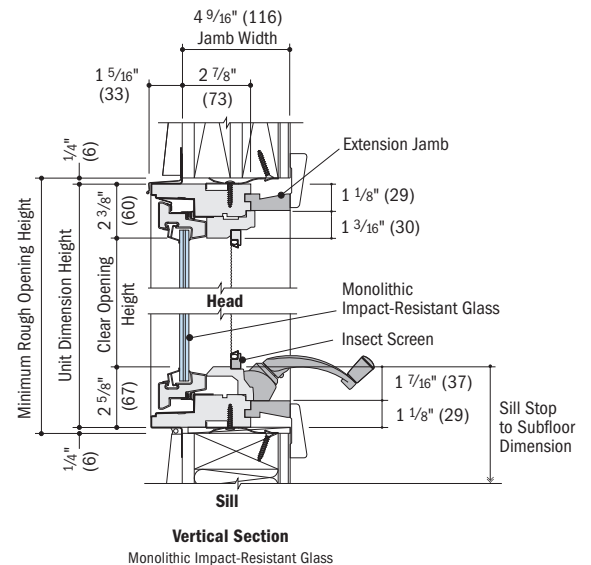
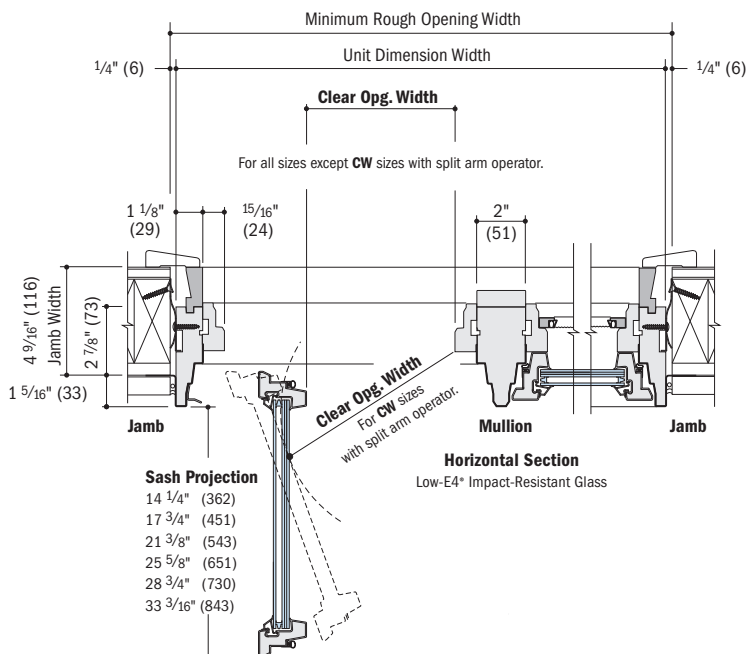
Interior Trim Options

Extension jamb and drywall return bead applications shown. See page 153 for more information.



Casement Window Details

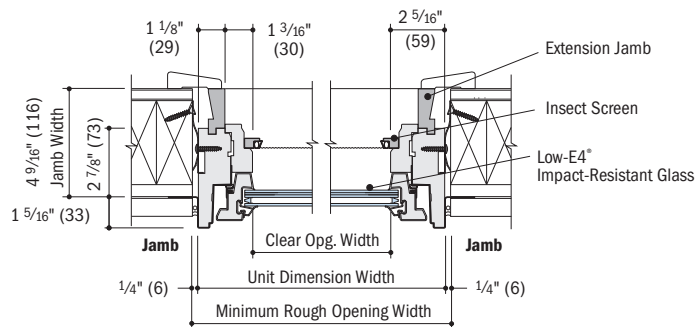
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



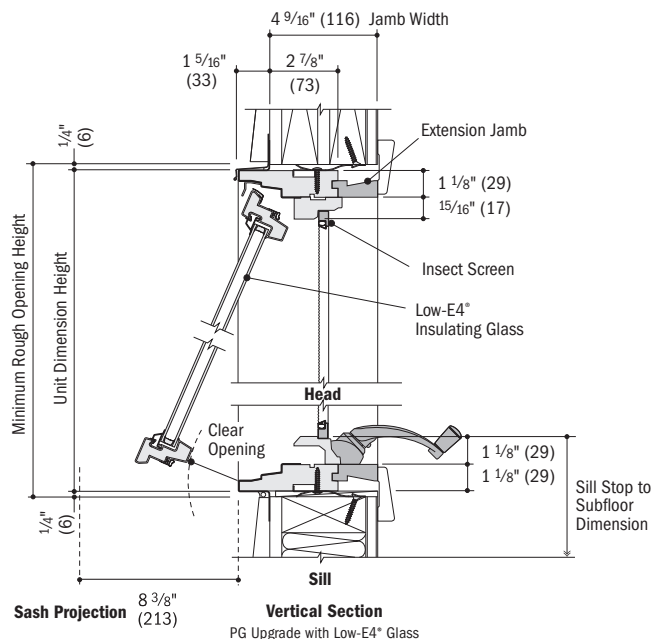
- 4 9/16" (116) jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

Awning Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



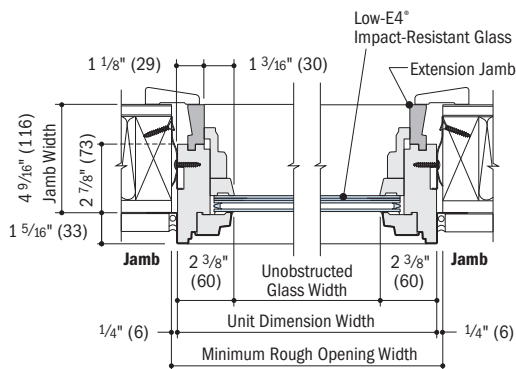
Horizontal Section
Low-E4* Impact-Resistant Glass



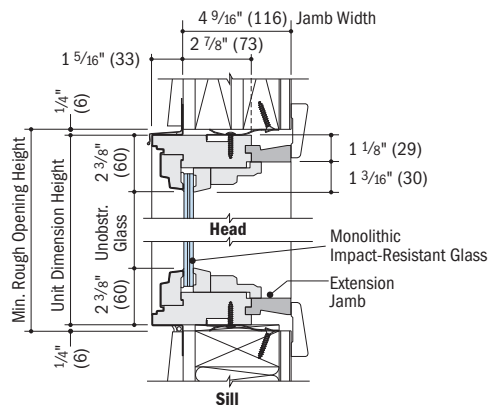
Vertical Section
PG Upgrade with Low-E4* Glass

Picture and Transom Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Horizontal Section
Low-E4* Impact-Resistant Glass



Vertical Section
Monolithic Impact-Resistant Glass

- 4 9/16" (116) jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

Vertical (ribbon) Joining Details

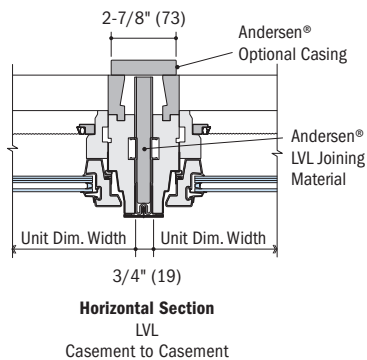
Scale 1 $\frac{1}{2}$ " (38) = 1'-0" (305) – 1:8

Overall Window Dimension Width

Sum of individual window widths plus $\frac{3}{4}$ " (19) for each join.

Overall Minimum Rough Opening Width

Overall window dimension width plus $\frac{1}{2}$ " (13).

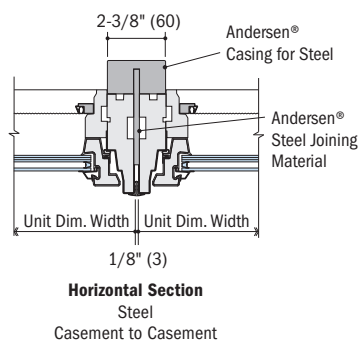


Overall Window Dimension Width

Sum of individual window widths plus $\frac{1}{8}$ " (3) for each join.

Overall Minimum Rough Opening Width

Overall window dimension width plus $\frac{1}{2}$ " (13).

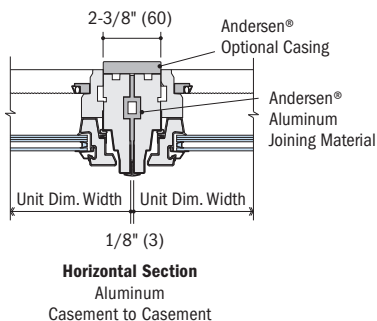


Overall Window Dimension Width

Sum of individual window widths plus $\frac{1}{8}$ " (3) for each join.

Overall Minimum Rough Opening Width

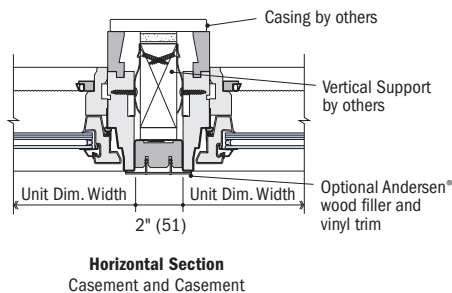
Overall window dimension width plus $\frac{1}{2}$ " (13).



Separate Rough Openings Detail

Scale 1 $\frac{1}{2}$ " (38) = 1'-0" (305) – 1:8

To meet structural requirements or to achieve a wider joined appearance, windows may be installed into separate rough openings having vertical support (by others) in combination with Andersen® exterior filler and exterior vinyl trim strip.



For more information on vertical or horizontal joining refer to the combination designs section starting on page 193.

- 4 $\frac{9}{16}$ " (116) jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Consult with an architect or structural engineer regarding minimum requirements for structural support members between adjacent rough openings.

Custom Sizes & Specifications

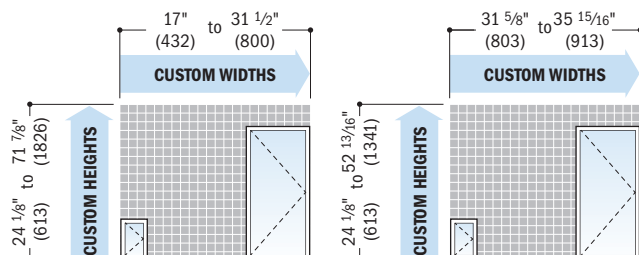


Available in $\frac{1}{8}$ " (3) increments between minimum and maximum widths and heights. Windows can also be custom sized to match standard sizes ending in a sixteenth of an inch. Some restrictions apply, contact your Andersen supplier.

Custom sizing is available for single windows only. To achieve custom-size double or triple combinations, join custom-size single windows. For minimum rough opening dimensions for joined windows see specific joining instruction guides.

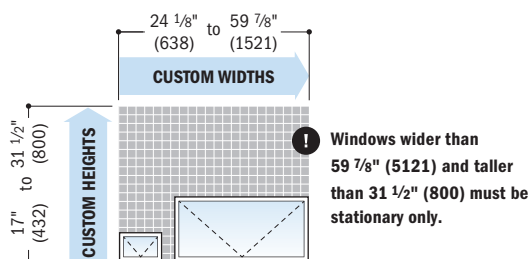
Measurement guide for custom sized windows can be found at andersenwindows.com/measure.

Casement Windows



Clear Opg. 	Width = window width - 5.81" (148) = (window width - 9.66" (245)) X 1.07 = window width - 9.70" (246) Height = window height - 4.43" (113) = window height - 4.85" (123) Width $\geq 24 \frac{1}{8}$" (613) with straight arm operator Width $\geq 28 \frac{3}{8}$" (721) with straight arm operator & control bracket Width ≥ 17" (432) with split arm operator Height $\geq 40 \frac{13}{16}$" (1037) and < 48" (1219); Width $\geq 28 \frac{3}{8}$" (721) and $< 31 \frac{1}{2}$" (800) All other window heights	Min. R.O. 	Width = window width + $\frac{1}{2}$" (13) Height = window height + $\frac{1}{2}$" (13)
Vent Opg. 	Width = window width - 5.81" (148) = window width - 6.10" (155) Height = window height - 4.43" (113) = window height - 4.85" (123) Width $\geq 24 \frac{1}{8}$" (613) with straight arm operator Width ≥ 17" (432) with split arm operator Height $\geq 40 \frac{13}{16}$" (1037) and < 48" (1219); Width $\geq 28 \frac{3}{8}$" (721) and $< 31 \frac{1}{2}$" (800) All other window heights	Unobstr. 	Width = window width - 4.40" (112) Height = window height - 4.95" (126)

Awning Windows



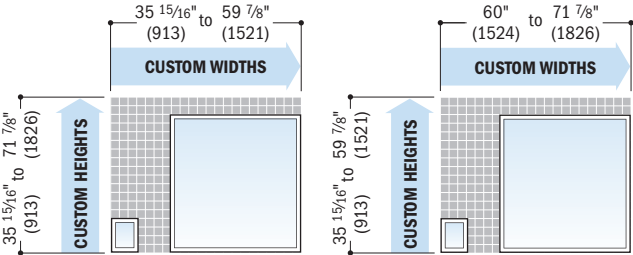
Clear Opg. 	Width = window width - 4.53" (115) Height = 6.38" (162) = 6.44" (164) = 6.50" (165) Height ≥ 17" (432) and $< 20 \frac{1}{2}$" (521) Height $\geq 20 \frac{1}{2}$" (521) and $< 24 \frac{1}{8}$" (613) All other window heights	Min. R.O. 	Width = window width + $\frac{1}{2}$" (13) Height = window height + $\frac{1}{2}$" (13)
Vent Opg. 	Width = window width - 4.53" (115) Height = 6.38" (162) = 6.44" (164) = 6.50" (165) Height ≥ 17" (432) and $< 20 \frac{1}{2}$" (521) Height $\geq 20 \frac{1}{2}$" (521) and $< 24 \frac{1}{8}$" (613) All other window heights	Unobstr. 	Width = window width - 4.81" (122) Height = window height - 4.51" (115)

Custom Sizes & Specifications



Available in 1/8" (3) increments between minimum and maximum widths and heights. Windows can also be custom sized to match standard sizes ending in a sixteenth of an inch. Some restrictions apply, contact your Andersen supplier.

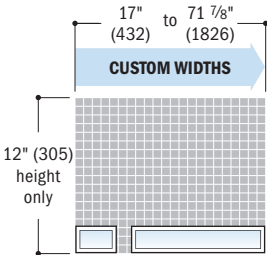
Casement/Awning Picture Windows



Measurement guide for custom sized windows can be found at andersenwindows.com/measure.

Minimum R.O. 	Width = window width + 1/2" (13) Height = window height + 1/2" (13)	Unobstr. Glass 	Width = window width - 4.80" (122) Height = window height - 4.80" (122)
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Casement/Awning Transom Windows



Minimum R.O. 	Width = window width + 1/2" (13) Height = window height + 1/2" (13)	Unobstr. Glass 	Width = window width - 4.80" (122) Height = window height - 4.80" (122)
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• Dimensions in parentheses are in millimeters.
• Refer to andersenwindows.com/measure for detailed instructions on how to properly measure for custom-size windows.

TILT-WASH DOUBLE-HUNG WINDOWS

400 Series
Tilt-Wash
Double-Hung Windows

SECTION REFERENCE

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Combination Designs	193-202
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FEATURES

Frame

- A** Exterior outer frame members are covered with a Perma-Shield® rigid vinyl cladding, minimizing maintenance and providing an attractive appearance.
- B** For exceptionally long-lasting* performance, sill members are constructed with a wood core and a Fibrex® composite material exterior. Sill ends are protected and sealed with weather-resistant covers.
- C** Wood stops are made of treated pine that can be finished to match the interior décor. On White prefinished interior units the stops are white vinyl.

 For additional protection from air and water infiltration, the sill stop is 1 1/2" (38) high** [standard sill stop height is 1 1/8" (21)]. Interior wood stops are secured to the frame using 1 1/2" (38) 16-gauge crown staples instead of nails.

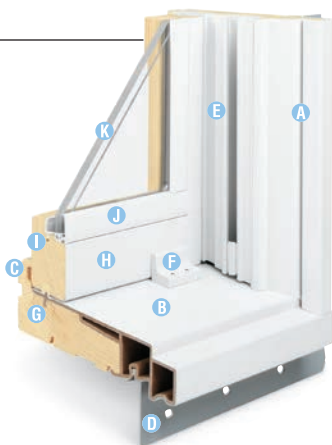
D A factory-applied rigid vinyl flange on the head, sill and side of the outer frame helps seal the unit to the structure.

E An extruded rigid vinyl jamb liner and fin provide a protective seal against the outer frame members. Exclusive slide wash assists make it easy to tilt sash into wash mode position.

 **F** Exterior frame and sill brackets provide structural support for the sash during high winds. Brackets are the same color as the exterior of unit.

G Weatherstripping throughout the unit provides a long-lasting* energy-efficient, weather-resistant seal. For the top and bottom rails, an encased foam material is used. The head jamb liner and sill have a rigid vinyl rib that the weatherstripping material compresses against. At the check rail, compressible vinyl bulb material is used. Side jamb liners use leaf-type weatherstripping with foam inserts.

Unique block-and-tackle counterbalances feature sized-to-the-unit, rust-resistant springs that require no adjustment. Glass-reinforced nylon balancer shoes provide smooth, reliable sash operation. They automatically lock the balancer into position when sash are tilted into wash mode.



Sash

H A polyester-stabilized coat with a Flexacron® finish is electrostatically applied to penetrate all exterior surfaces for maximum protection and a lustrous finish.

I Wood sash members are treated with a water-repellent preservative for long-lasting* protection and performance. Interior surfaces are unfinished pine. Low-maintenance painted White interiors are also available.

Glass

J A rigid vinyl glazing bead with flexible lip, combined with structural silicone glazing, provides superior weathertightness and durability.

K Consult local building codes for glass most suitable to your area. High-performance glass options include:

- Low-E4® glass (PG Upgrade)
- Low-E4 SmartSun glass (PG Upgrade)
- Low-E4 Sun glass (PG Upgrade)
- Low-E4 impact-resistant glass
- Low-E4 SmartSun™ impact-resistant glass
- Low-E4 Sun impact-resistant glass
- Low-E4 tempered impact-resistant glass options available
- Impact-resistant Monolithic Clear glass
- Impact-resistant Monolithic Gray glass

A removable translucent film helps shield the glass from damage during delivery and construction and simplifies finishing at the jobsite.

Sash Options

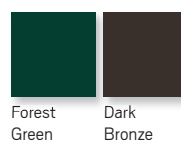


Cottage Style (select sizes)

EXTERIOR



White Canvas Sandtone Terratone



Forest Green Dark Bronze

INTERIOR



Pine White

Naturally occurring variations in grain, color and texture of wood make each window one of a kind. All wood interiors are unfinished unless prefinished White is specified.

HARDWARE FINISHES



Antique Brass† Black Bright Brass† Brushed Chrome† Distressed Bronze† Distressed Nickel†



Gold Dust Oil Rubbed Bronze Polished Chrome† Satin Nickel Stone White

DOUBLE-HUNG HARDWARE



Black | Gold Dust | Oil Rubbed Bronze
Satin Nickel | **Stone** | White

Bold name denotes finish shown.

 A metal lock & keeper creates a strong, secure engagement. Two locks are applied for added protection.

OPTIONAL DOUBLE-HUNG HARDWARE

(PG UPGRADE UNITS ONLY)

ESTATE™

Lock & Keeper



Antique Brass | **Bright Brass**
Brushed Chrome | Distressed Bronze
Distressed Nickel | Oil Rubbed Bronze
Polished Chrome | Satin Nickel

STANDARD

Lock & Keeper



Black | Gold Dust
Stone | White

Bold name denotes finish shown.

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the 400 Series with Stormwatch® protection and impact-resistant glass Limited Warranty.

**Infringes on the overall net clear opening. Unit clear openable area may not meet egress requirements. See your local code official for more information.

†PG upgrade units only.

“Flexacron” is a registered trademark of PPG Industries, Inc.

Dimensions in parentheses are in millimeters.

Distressed Bronze and Oil Rubbed Bronze are “living” finishes that will change with time and use. Printing limitations prevent exact duplication of colors and finishes. See your Andersen supplier for actual color and finish samples.

Installation System

 The installation system includes 1 ½" (38) by 3" (76) stainless steel installation clips for additional reinforcement. The installation clips are screwed to the frame and fastened to the rough opening for secure installation. Optional 6" (152) clips are available for use with factory-applied or preapplied extension jambs.



Retractable Interior Bracket

 Interior brackets provide additional structural support for the sash and frame. The brackets retract out of sight when not in use. Available with a Stone finish or a White finish with White interior units. Brackets must be engaged to meet structural requirements.

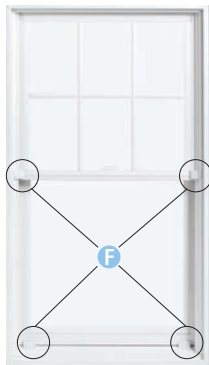


Retracted



Engaged

Exterior Brackets



ACCESSORIES

Frame

Extension Jambs



Standard jamb depth is 4 ½" (114). Jamb depth can be 4 ¾" (105) if installation flange is reversed. Extension jambs are available in unfinished pine or prefinished White. Some sizes may be veneered.

Factory-Applied Extension Jambs

Available in 6 ⅞" (167) size. Extension jambs can be factory applied to either three sides (stool and apron application) or four sides (picture frame casing).

Non-Applied Extension Jambs

Non-applied extension jambs are available for the following wall depths:

- 5 ¼" (133)
- 6 ⅞" (167)
- 7 ⅞" (181)

Pine Stool



A clear pine stool is available and ready for finishing. The tilt-wash stool is available in 4 ¾" (116) for use in wall depths up to 5 ¼" (133), and 6 ⅞" (167) for use in wall depths up to 7 ⅞" (181). Works with 2 ¼" (57) and 2 ½" (64) wide casings.

Glass

Andersen® Art Glass

Available for tilt-wash transom and picture units. Andersen art glass panels come in a variety of original patterns, including four Frank Lloyd Wright® Series designs. See page 149 for details on Andersen art glass. Visit andersenwindows.com/artglass for details and pattern information.

Insect Screens

TruScene® Insect Screen



Exclusive Andersen® TruScene® insect screens provide over 50% more clarity than our conventional insect screens for a beautiful unobstructed view. And they allow more fresh air and sunlight, while doing a better job of keeping out small insects. Choose full insect screen or half insect screen. Frame colors match product exteriors.

Conventional Insect Screen

Conventional insect screens have charcoal powder-coated aluminum screen cloth.

Hardware

Opening Control Device Kit



A Window Opening Control Device Kit is available, which limits raising the sash to less than 4" (102) when the window is first opened. Available in Stone and White.

Grilles

Grilles are available in a variety of configurations and widths. For tilt-wash grille patterns see page 177.

Exterior Trim

This product is available with Andersen® Exterior Trim. See pages 129–136 for details.

Performance Grade (PG) Upgrade

A high inside sill stop* and interior/exterior brackets are available to provide additional structural support for Andersen® tilt-wash units, allowing standard glass units to achieve a higher PG rating.** Performance Grade Ratings replace Design Pressure Ratings for measuring product performance. For up-to-date performance information of individual products please visit andersenwindows.com. Use of this package will subtract ⅝" (16) from clear opening height. PG Upgrade not available for 72" (1829) and 76" (1930) heights.

Woodwright® Double-Hung Windows

PG Upgrades** are also available for select Woodwright® sizes. Ask your Andersen supplier for details.

CAUTION:

- Painting and staining may cause damage to rigid vinyl.
- 400 Series windows in Terratone color may be painted any color lighter than Terratone color using quality oil-base or latex paint. Submit color samples to Andersen for approval when painting Terratone any color darker than Terratone.
- Do not paint 400 Series windows with White, Canvas, Sandtone, Forest Green or Dark Bronze exterior colors.
- Creosote-based stains should not come in contact with Andersen products.
- Do not paint weatherstripping.
- Abrasive cleaners or solutions containing corrosive solvents should not be used on Andersen products.
- For vinyl painting instructions and preparation, contact your Andersen supplier.
- Andersen does not warrant the adhesion or performance of homeowner-applied paint over vinyl or other factory-coated surfaces.

*Infringes on the overall net clear opening. Unit clear openable area may not meet egress requirements. See your local code official for more information.

**For up-to-date performance information of individual products please visit andersenwindows.com.

Dimensions in parentheses are in millimeters.

"Frank Lloyd Wright" is a registered trademark of the Frank Lloyd Wright Foundation.

TILT-WASH DOUBLE-HUNG WINDOWS

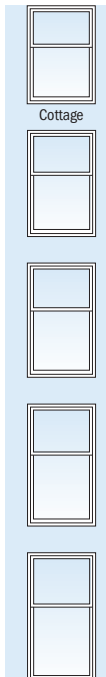
Table of Tilt-Wash Double-Hung Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-9 5/8"	2'-1 5/8"	2'-5 5/8"	2'-7 5/8"	2'-9 5/8"	2'-11 5/8"	3'-1 5/8"	3'-5 5/8"	3'-9 5/8"
Minimum Rough Opening	1'-10 1/8" (562)	2'-2 1/8" (664)	2'-6 1/8" (765)	2'-8 1/8" (816)	2'-10 1/8" (867)	3'-0 1/8" (917)	3'-2 1/8" (968)	3'-6 1/8" (1070)	3'-10 1/8" (1172)
Unobstructed Glass (lower sash only)	15" (381)	19" (483)	23" (584)	25" (635)	27" (686)	29" (737)	31" (787)	35" (889)	39" (991)
3'-0 7/8" (937)	 TW18210	 TW20210	 TW24210	 TW26210	 TW28210	 TW210210	 TW30210	 TW34210	 TW38210
3'-4 7/8" (1038)	 TW1832	 TW2032	 TW2432	 TW2632	 TW2832	 TW21032	 TW3032	 TW3432	 TW3832
3'-8 7/8" (1140)	 TW1836	 TW2036	 TW2436	 TW2636	 TW2836	 TW21036	 TW3036	 TW3436	 TW3836
4'-0 7/8" (1241)	 TW18310	 TW20310	 TW24310	 TW26310	 TW28310	 TW210310	 TW30310	 TW34310	 TW38310
4'-4 7/8" (1343)	 TW1842	 TW2042	 TW2442	 TW2642	 TW2842	 TW21042	 TW3042	 TW3442	 TW3842
4'-8 7/8" (1445)	 TW1846	 TW2046	 TW2446	 TW2646	 TW2846	 TW21046	 TW3046	 TW3446	 TW3846
5'-0 7/8" (1546)	 TW18410	 TW20410	 TW24410	 TW26410	 TW28410	 TW210410	 TW30410°	 TW34410°	 TW38410°
5'-4 7/8" (1648)	 TW1852	 TW2052	 TW2452	 TW2652	 TW2852	 TW21052°	 TW3052°	 TW3452°	 TW3852°
5'-8 7/8" (1749)	 TW1856	 TW2056	 TW2456	 TW2656	 TW2856°	 TW21056°	 TW3056°	 TW3456°	 TW3856°
6'-0 7/8" (1851)	 TW18510	 TW20510	 TW24510	 TW26510°	 TW28510°	 TW210510°	 TW30510°	 TW34510°	 TW38510°
6'-4 7/8" (1953)	 TW1862	 TW2062	 TW2462°	 TW2662°	 TW2862°	 TW21062°	 TW3062°	 TW3462°	 TW3862°

Grille patterns shown
on page 177.

Cottage sash
are available for
these heights and
in all widths.



- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Dimensions in parentheses are in millimeters.
- ◊ Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610). See tables on pages 175-176.

Table of Tilt-Wash Transom Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

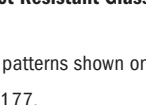
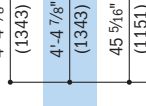
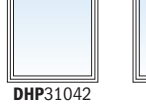
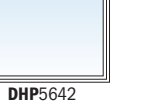
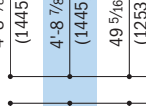
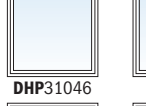
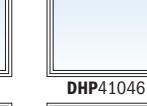
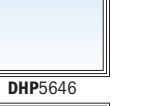
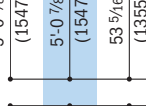
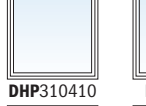
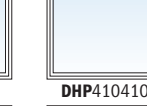
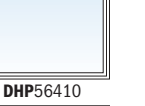
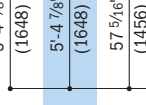
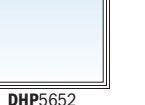
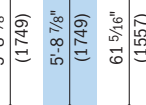
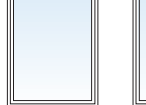
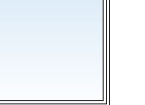
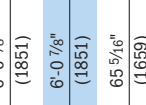
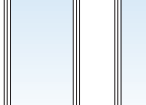
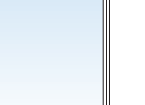
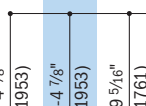
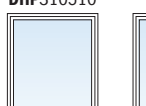
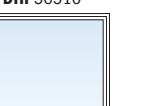
Window Dimension	1'-9 5/8" (549)	2'-1 5/8" (651)	2'-5 5/8" (752)	2'-7 5/8" (803)	2'-9 5/8" (854)	2'-11 5/8" (905)	3'-1 5/8" (956)	3'-5 5/8" (1057)	3'-9 5/8" (1159)
Minimum Rough Opening	1'-10 1/8" (562)	2'-2 1/8" (664)	2'-6 1/8" (765)	2'-8 1/8" (816)	2'-10 1/8" (867)	3'-0 1/8" (917)	3'-2 1/8" (968)	3'-6 1/8" (1070)	3'-10 1/8" (1172)
Unobstructed Glass	15" (380)	19" (482)	23" (583)	25" (635)	27" (685)	29" (737)	31" (787)	35" (888)	39" (990)
1'-0" (305)									
1'-7 5/16" (491)									
1'-9 5/16" (541)									
2'-1 5/16" (643)									
2'-3 5/16" (694)									
2'-5 5/16" (745)									
2'-9 5/16" (846)									
3'-3 5/16" (999)									

Grille patterns shown
on page 177.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Dimensions in parentheses are in millimeters.

Table of Tilt-Wash Picture Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-0" (305)	3'-1 5/8" (956)	3'-5 5/8" (1057)	3'-11 5/16" (1202)	4'-3 5/16" (1303)	4'-11 5/16" (1507)	5'-7 5/16" (1710)
Minimum Rough Opening	1'-0 1/2" (318)	3'-2 1/8" (968)	3'-6 1/8" (1070)	3'-11 7/8" (1216)	4'-3 7/8" (1318)	4'-11 7/8" (1521)	5'-7 7/8" (1724)
Unobstructed Glass	7 1/16" (179)	32 11/16" (830)	36 11/16" (932)	42 3/8" (1076)	46 3/8" (1178)	54 3/8" (1381)	62 3/8" (1584)
4'-0 7/8" (1241)							
	DHP10310	DHP30310	DHP34310	DHP310310	DHP42310	DHP410310	DHP56310
4'-4 7/8" (1343)							
	DHP1042	DHP3042	DHP3442	DHP31042	DHP4242	DHP41042	DHP5642
4'-8 7/8" (1445)							
	DHP1046	DHP3046	DHP3446	DHP31046	DHP4246	DHP41046	DHP5646
5'-0 7/8" (1547)							
	DHP10410	DHP30410	DHP34410	DHP310410	DHP42410	DHP410410	DHP56410
5'-4 7/8" (1648)							
	DHP1052	DHP3052	DHP3452	DHP31052	DHP4252	DHP41052	DHP5652
5'-8 7/8" (1749)							
	DHP1056	DHP3056	DHP3456	DHP31056	DHP4256	DHP41056	DHP5656
6'-0 7/8" (1851)							
	DHP10510	DHP30510	DHP34510	DHP310510	DHP42510	DHP410510	DHP56510
6'-4 7/8" (1953)							
	DHP1062	DHP3062	DHP3462	DHP31062	DHP4262	DHP41062	DHP5662

Picture windows are not available with Monolithic Impact-Resistant Glass.

Grille patterns shown on page 177.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Dimensions in parentheses are in millimeters.

Tilt-Wash Double-Hung Window Opening and Area Specifications

Window Number	Clear Opening Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/(mm)	Height Inches/(mm)				
TW18210	1.64 (0.15)	17 7/8" (454)	13 3/16" (335)	2.90 (0.27)	1.69 (0.16)	49 3/4" (1264)	5.53 (0.51)
TW1832	1.89 (0.18)	17 7/8" (454)	15 3/16" (386)	3.32 (0.31)	1.94 (0.18)	45 3/4" (1162)	6.14 (0.57)
TW1836	2.13 (0.20)	17 7/8" (454)	17 3/16" (437)	3.74 (0.35)	2.19 (0.20)	41 3/4" (1060)	6.74 (0.63)
TW18310	2.38 (0.22)	17 7/8" (454)	19 3/16" (487)	4.15 (0.39)	2.44 (0.23)	37 3/4" (959)	7.34 (0.68)
TW1842	2.63 (0.24)	17 7/8" (454)	21 3/16" (538)	4.57 (0.43)	2.68 (0.25)	33 3/4" (857)	7.94 (0.74)
TW1846	2.88 (0.27)	17 7/8" (454)	23 3/16" (589)	4.98 (0.46)	2.93 (0.27)	29 3/4" (756)	8.54 (0.79)
TW18410	3.13 (0.29)	17 7/8" (454)	25 3/16" (640)	5.40 (0.50)	3.18 (0.30)	25 3/4" (654)	9.14 (0.85)
TW1852	3.38 (0.31)	17 7/8" (454)	27 3/16" (691)	5.81 (0.54)	3.43 (0.32)	21 3/4" (552)	9.74 (0.91)
TW1856	3.62 (0.34)	17 7/8" (454)	29 3/16" (741)	6.23 (0.58)	3.68 (0.34)	17 3/4" (451)	10.34 (0.96)
TW18510	3.87 (0.36)	17 7/8" (454)	31 3/16" (792)	6.65 (0.62)	3.93 (0.37)	13 3/4" (349)	10.94 (1.02)
TW1862	4.12 (0.38)	17 7/8" (454)	33 3/16" (843)	7.06 (0.66)	4.17 (0.39)	9 3/4" (248)	11.54 (1.07)
TW20210	2.00 (0.19)	21 7/8" (556)	13 3/16" (335)	3.68 (0.34)	2.07 (0.19)	49 3/4" (1264)	6.56 (0.61)
TW2032	2.31 (0.21)	21 7/8" (556)	15 3/16" (386)	4.21 (0.39)	2.37 (0.22)	45 3/4" (1162)	7.27 (0.68)
TW2036	2.61 (0.24)	21 7/8" (556)	17 3/16" (437)	4.73 (0.44)	2.68 (0.25)	41 3/4" (1060)	7.98 (0.74)
TW20310	2.92 (0.27)	21 7/8" (556)	19 3/16" (487)	5.26 (0.49)	2.98 (0.28)	37 3/4" (959)	8.69 (0.81)
TW2042	3.22 (0.30)	21 7/8" (556)	21 3/16" (538)	5.79 (0.54)	3.28 (0.31)	33 3/4" (857)	9.41 (0.87)
TW2046	3.52 (0.33)	21 7/8" (556)	23 3/16" (589)	6.31 (0.59)	3.59 (0.33)	29 3/4" (756)	10.12 (0.94)
TW20410	3.83 (0.36)	21 7/8" (556)	25 3/16" (640)	6.84 (0.64)	3.89 (0.36)	25 3/4" (654)	10.83 (1.01)
TW2052	4.13 (0.38)	21 7/8" (556)	27 3/16" (691)	7.37 (0.69)	4.20 (0.39)	21-3/4" (552)	11.54 (1.07)
TW2056	4.43 (0.41)	21 7/8" (556)	29 3/16" (741)	7.89 (0.73)	4.50 (0.42)	17 3/4" (451)	12.25 (1.14)
TW20510	4.74 (0.44)	21 7/8" (556)	31 3/16" (792)	8.42 (0.78)	4.80 (0.45)	13 3/4" (349)	12.96 (1.20)
TW2062	5.04 (0.47)	21 7/8" (556)	33 3/16" (843)	8.95 (0.83)	5.11 (0.48)	9 3/4" (248)	13.68 (1.27)
TW24210	2.37 (0.22)	25 7/8" (657)	13 3/16" (335)	4.46 (0.41)	2.45 (0.23)	49 3/4" (1264)	7.58 (0.70)
TW2432	2.73 (0.25)	25 7/8" (657)	15 3/16" (386)	5.09 (0.47)	2.81 (0.26)	45 3/4" (1162)	8.40 (0.78)
TW2436	3.09 (0.29)	25 7/8" (657)	17 3/16" (437)	5.73 (0.53)	3.17 (0.29)	41 3/4" (1060)	9.23 (0.86)
TW24310	3.45 (0.32)	25 7/8" (657)	19 3/16" (487)	6.37 (0.59)	3.53 (0.33)	37 3/4" (959)	10.05 (0.93)
TW2442	3.81 (0.35)	25 7/8" (657)	21 3/16" (538)	7.01 (0.65)	3.89 (0.36)	33 3/4" (857)	10.87 (1.01)
TW2446	4.17 (0.39)	25 7/8" (657)	23 3/16" (589)	7.65 (0.71)	4.24 (0.39)	29 3/4" (756)	11.70 (1.09)
TW24410	4.53 (0.42)	25 7/8" (657)	25 3/16" (640)	8.28 (0.77)	4.60 (0.43)	25 3/4" (654)	12.52 (1.16)
TW2452	4.89 (0.45)	25 7/8" (657)	27 3/16" (691)	8.92 (0.83)	4.96 (0.46)	21 3/4" (552)	13.34 (1.24)
TW2456	5.25 (0.49)	25 7/8" (657)	29 3/16" (741)	9.56 (0.89)	5.32 (0.49)	17 3/4" (451)	14.17 (1.32)
TW24510	5.60 (0.52)	25 7/8" (657)	31 3/16" (792)	10.20 (0.95)	5.68 (0.53)	13 3/4" (349)	14.99 (1.39)
TW2462 ◊	5.96 (0.55)	25 7/8" (657)	33 3/16" (843)	10.84 (1.01)	6.04 (0.56)	9 3/4" (248)	15.81 (1.47)
TW26210	2.55 (0.24)	27 7/8" (708)	13 3/16" (335)	4.84 (0.45)	2.64 (0.25)	49 3/4" (1264)	8.09 (0.75)
TW2632	2.94 (0.27)	27 7/8" (708)	15 3/16" (386)	5.54 (0.52)	3.02 (0.28)	45 3/4" (1162)	8.97 (0.83)
TW2636	3.33 (0.31)	27 7/8" (708)	17 3/16" (437)	6.23 (0.58)	3.41 (0.32)	41 3/4" (1060)	9.85 (0.92)
TW26310	3.71 (0.35)	27 7/8" (708)	19 3/16" (487)	6.92 (0.64)	3.80 (0.35)	37 3/4" (959)	10.73 (1.00)
TW2642	4.10 (0.38)	27 7/8" (708)	21 3/16" (538)	7.62 (0.71)	4.19 (0.39)	33 3/4" (857)	11.61 (1.08)
TW2646	4.49 (0.42)	27 7/8" (708)	23 3/16" (589)	8.31 (0.77)	4.57 (0.43)	29 3/4" (756)	12.49 (1.16)
TW26410	4.88 (0.45)	27 7/8" (708)	25 3/16" (640)	9.01 (0.84)	4.96 (0.46)	25 3/4" (654)	13.36 (1.24)
TW2652	5.26 (0.49)	27 7/8" (708)	27 3/16" (691)	9.70 (0.90)	5.35 (0.50)	21 3/4" (552)	14.24 (1.32)
TW2656	5.65 (0.53)	27 7/8" (708)	29 3/16" (741)	10.39 (0.96)	5.73 (0.53)	17 3/4" (451)	15.12 (1.41)
TW26510 ◊	6.04 (0.56)	27 7/8" (708)	31 3/16" (792)	11.09 (1.03)	6.12 (0.57)	13 3/4" (349)	16.00 (1.49)
TW2662 ◊	6.42 (0.60)	27 7/8" (708)	33 3/16" (843)	11.78 (1.09)	6.51 (0.61)	9 3/4" (248)	16.88 (1.57)
TW28210	2.74 (0.25)	29 7/8" (759)	13 3/16" (335)	5.23 (0.49)	2.83 (0.26)	49 3/4" (1264)	8.61 (0.80)
TW2832	3.15 (0.29)	29 7/8" (759)	15 3/16" (386)	5.98 (0.56)	3.24 (0.30)	45 3/4" (1162)	9.54 (0.89)
TW2836	3.57 (0.33)	29 7/8" (759)	17 3/16" (437)	6.73 (0.63)	3.66 (0.34)	41 3/4" (1060)	10.47 (0.97)
TW28310	3.98 (0.37)	29 7/8" (759)	19 3/16" (487)	7.48 (0.70)	4.07 (0.38)	37 3/4" (959)	11.41 (1.06)
TW2842	4.40 (0.41)	29 7/8" (759)	21 3/16" (538)	8.23 (0.77)	4.49 (0.42)	33 3/4" (857)	12.34 (1.15)
TW2846	4.81 (0.45)	29 7/8" (759)	23 3/16" (589)	8.98 (0.83)	4.90 (0.46)	29 3/4" (756)	13.28 (1.23)
TW28410	5.23 (0.49)	29 7/8" (759)	25 3/16" (640)	9.73 (0.90)	5.32 (0.49)	25 3/4" (654)	14.21 (1.32)
TW2852	5.64 (0.52)	29 7/8" (759)	27 3/16" (691)	10.48 (0.97)	5.73 (0.53)	21 3/4" (552)	15.14 (1.41)
TW2856 ◊	6.06 (0.56)	29 7/8" (759)	29 3/16" (741)	11.22 (1.04)	6.15 (0.57)	17 3/4" (451)	16.08 (1.49)
TW28510 ◊	6.47 (0.60)	29 7/8" (759)	31 3/16" (792)	11.97 (1.11)	6.56 (0.61)	13 3/4" (349)	17.01 (1.58)
TW2862 ◊	6.89 (0.64)	29 7/8" (759)	33 3/16" (843)	12.72 (1.18)	6.98 (0.65)	9 3/4" (248)	17.95 (1.67)
TW210210	2.92 (0.27)	31 7/8" (809)	13 3/16" (335)	5.62 (0.52)	3.02 (0.28)	49 3/4" (1264)	9.12 (0.85)
TW21032	3.36 (0.31)	31 7/8" (809)	15 3/16" (386)	6.42 (0.60)	3.46 (0.32)	45 3/4" (1162)	10.11 (0.94)
TW21036	3.81 (0.35)	31 7/8" (809)	17 3/16" (437)	7.23 (0.67)	3.90 (0.36)	41 3/4" (1060)	11.10 (1.03)
TW210310	4.25 (0.40)	31 7/8" (809)	19 3/16" (487)	8.03 (0.75)	4.34 (0.40)	37 3/4" (959)	12.09 (1.12)
TW21042	4.69 (0.44)	31 7/8" (809)	21 3/16" (538)	8.84 (0.82)	4.79 (0.45)	33 3/4" (857)	13.08 (1.22)
TW21046	5.13 (0.48)	31 7/8" (809)	23 3/16" (589)	9.64 (0.90)	5.23 (0.49)	29 3/4" (756)	14.07 (1.31)

For cottage sash window opening specifications contact your Andersen supplier.

- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.
- ◊ Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

Tilt-Wash Transom Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
TWT1810	0.56 (0.05)	1.80 (0.17)
TWT1815	1.32 (0.12)	2.90 (0.27)
TWT1817	1.52 (0.14)	3.20 (0.30)
TWT18111	1.94 (0.18)	3.80 (0.35)
TWT1821	2.15 (0.20)	4.10 (0.38)
TWT1823	2.35 (0.22)	4.40 (0.41)
TWT1827	2.77 (0.26)	5.00 (0.47)
TWT1831	3.39 (0.32)	5.90 (0.55)
TWT2010	0.70 (0.07)	2.14 (0.20)
TWT2015	1.67 (0.16)	3.44 (0.32)
TWT2017	1.93 (0.18)	3.79 (0.35)
TWT20111	2.46 (0.23)	4.50 (0.42)
TWT2021	2.72 (0.25)	4.86 (0.45)
TWT2023	2.98 (0.28)	5.22 (0.49)
TWT2027	3.51 (0.33)	5.93 (0.55)
TWT2031	4.30 (0.40)	7.00 (0.65)
TWT2410	0.85 (0.08)	2.47 (0.23)
TWT2415	2.02 (0.19)	3.97 (0.37)
TWT2417	2.34 (0.22)	4.38 (0.41)
TWT24111	2.98 (0.28)	5.21 (0.48)
TWT2421	3.29 (0.31)	5.62 (0.52)
TWT2423	3.61 (0.34)	6.03 (0.56)
TWT2427	4.25 (0.40)	6.85 (0.64)
TWT2431	5.21 (0.48)	8.09 (0.75)
TWT2610	0.93 (0.09)	2.64 (0.25)
TWT2615	2.19 (0.20)	4.24 (0.39)
TWT2617	2.54 (0.24)	4.68 (0.44)
TWT26111	3.23 (0.30)	5.56 (0.52)
TWT2621	3.58 (0.33)	6.00 (0.56)
TWT2623	3.93 (0.37)	6.44 (0.60)
TWT2627	4.62 (0.43)	7.32 (0.68)
TWT2631	5.66 (0.53)	8.63 (0.80)
TWT2810	1.00 (0.09)	2.80 (0.26)
TWT2815	2.37 (0.22)	4.51 (0.42)
TWT2817	2.74 (0.26)	4.98 (0.46)
TWT28111	3.49 (0.32)	5.91 (0.55)
TWT2821	3.87 (0.36)	6.38 (0.59)
TWT2823	4.24 (0.39)	6.84 (0.64)

- Dimensions in parentheses are in square meters.

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TILT-WASH DOUBLE-HUNG WINDOWS

Tilt-Wash Double-Hung Window Opening and Area Specifications *(continued)*

See double-hung notes on page 175.

Window Number	Clear Opening Sq. Ft./ (m ²)		Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)		Vent Sq. Ft./ (m ²)		Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
			Width Inches/ (mm)	Height Inches/ (mm)						
TW210410	5.58	(0.52)	31 7/8" (809)	25 3/16" (640)	10.45	(0.97)	5.67	(0.53)	25 3/4" (654)	15.05 (1.40)
TW21052 0	6.02	(0.56)	31 7/8" (809)	27 3/16" (691)	11.25	(1.05)	6.11	(0.57)	21 3/4" (552)	16.04 (1.49)
TW21056 0	6.46	(0.60)	31 7/8" (809)	29 3/16" (741)	12.06	(1.12)	6.56	(0.61)	17 3/4" (451)	17.03 (1.59)
TW210510 0	6.90	(0.64)	31 7/8" (809)	31 3/16" (792)	12.86	(1.20)	7.00	(0.65)	13 3/4" (349)	18.02 (1.67)
TW21062 0	7.35	(0.68)	31 7/8" (809)	33 3/16" (843)	13.67	(1.27)	7.44	(0.69)	9 3/4" (248)	19.01 (1.77)
TW30210	3.10	(0.29)	33 7/8" (860)	13 3/16" (335)	6.01	(0.56)	3.20	(0.30)	49 3/4" (1264)	9.63 (0.90)
TW3032	3.57	(0.33)	33 7/8" (860)	15 3/16" (386)	6.87	(0.64)	3.67	(0.34)	45 3/4" (1162)	10.67 (0.99)
TW3036	4.04	(0.38)	33 7/8" (860)	17 3/16" (437)	7.73	(0.72)	4.15	(0.39)	41 3/4" (1060)	11.72 (1.09)
TW30310	4.51	(0.42)	33 7/8" (860)	19 3/16" (487)	8.59	(0.80)	4.62	(0.43)	37 3/4" (959)	12.76 (1.19)
TW3042	4.99	(0.46)	33 7/8" (860)	21 3/16" (538)	9.45	(0.88)	5.09	(0.47)	33 3/4" (857)	13.81 (1.28)
TW3046	5.46	(0.51)	33 7/8" (860)	23 3/16" (589)	10.31	(0.96)	5.56	(0.52)	29 3/4" (756)	14.85 (1.38)
TW30410 0	5.93	(0.55)	33 7/8" (860)	25 3/16" (640)	11.17	(1.04)	6.03	(0.56)	25 3/4" (654)	15.90 (1.48)
TW3052 0	6.40	(0.59)	33 7/8" (860)	27 3/16" (691)	12.03	(1.12)	6.50	(0.60)	21 3/4" (552)	16.95 (1.58)
TW3056 0	6.87	(0.64)	33 7/8" (860)	29 3/16" (741)	12.89	(1.20)	6.97	(0.65)	17 3/4" (451)	17.99 (1.67)
TW30510 0	7.34	(0.68)	33 7/8" (860)	31 3/16" (792)	13.75	(1.28)	7.44	(0.69)	13 3/4" (349)	19.04 (1.77)
TW3062 0	7.81	(0.73)	33 7/8" (860)	33 3/16" (843)	14.61	(1.36)	7.91	(0.74)	9 3/4" (248)	20.08 (1.87)
TW34210	3.47	(0.32)	37 7/8" (962)	13 3/16" (335)	6.79	(0.63)	3.58	(0.33)	49 3/4" (1264)	10.65 (0.99)
TW3432	4.00	(0.37)	37 7/8" (962)	15 3/16" (386)	7.76	(0.72)	4.11	(0.38)	45 3/4" (1162)	11.81 (1.10)
TW3436	4.52	(0.42)	37 7/8" (962)	17 3/16" (437)	8.73	(0.81)	4.63	(0.43)	41 3/4" (1060)	12.97 (1.21)
TW34310	5.05	(0.47)	37 7/8" (962)	19 3/16" (487)	9.70	(0.90)	5.16	(0.48)	37 3/4" (959)	14.12 (1.31)
TW3442	5.57	(0.52)	37 7/8" (962)	21 3/16" (538)	10.67	(0.99)	5.69	(0.53)	33 3/4" (857)	15.28 (1.42)
TW3446	6.10	(0.57)	37 7/8" (962)	23 3/16" (589)	11.64	(1.08)	6.21	(0.58)	29 3/4" (756)	16.43 (1.53)
TW34410 0	6.63	(0.62)	37 7/8" (962)	25 3/16" (640)	12.61	(1.17)	6.74	(0.63)	25 3/4" (654)	17.59 (1.63)
TW3452 0	7.15	(0.66)	37 7/8" (962)	27 3/16" (691)	13.58	(1.26)	7.27	(0.68)	21 3/4" (552)	18.75 (1.74)
TW3456 0	7.68	(0.71)	37 7/8" (962)	29 3/16" (741)	14.55	(1.35)	7.79	(0.72)	17 3/4" (451)	19.90 (1.85)
TW34510 0	8.20	(0.76)	37 7/8" (962)	31 3/16" (792)	15.53	(1.44)	8.32	(0.77)	13 3/4" (349)	21.06 (1.96)
TW3462 0	8.73	(0.81)	37 7/8" (962)	33 3/16" (843)	16.50	(1.53)	8.84	(0.82)	9 3/4" (248)	22.22 (2.06)
TW38210	3.84	(0.36)	41 7/8" (1064)	13 3/16" (335)	7.56	(0.70)	3.96	(0.37)	49 3/4" (1264)	11.68 (1.09)
TW3832	4.42	(0.41)	41 7/8" (1064)	15 3/16" (386)	8.64	(0.80)	4.54	(0.42)	45 3/4" (1162)	12.94 (1.20)
TW3836	5.00	(0.46)	41 7/8" (1064)	17 3/16" (437)	9.72	(0.90)	5.12	(0.48)	41 3/4" (1060)	14.21 (1.32)
TW38310	5.58	(0.52)	41 7/8" (1064)	19 3/16" (487)	10.81	(1.00)	5.71	(0.53)	37 3/4" (959)	15.48 (1.44)
TW3842	6.16	(0.57)	41 7/8" (1064)	21 3/16" (538)	11.89	(1.11)	6.29	(0.58)	33 3/4" (857)	16.75 (1.56)
TW3846	6.74	(0.63)	41 7/8" (1064)	23 3/16" (589)	12.97	(1.21)	6.87	(0.64)	29 3/4" (756)	18.01 (1.67)
TW38410 0	7.33	(0.68)	41 7/8" (1064)	25 3/16" (640)	14.05	(1.31)	7.45	(0.69)	25 3/4" (654)	19.28 (1.79)
TW3852 0	7.91	(0.74)	41 7/8" (1064)	27 3/16" (691)	15.14	(1.41)	8.03	(0.75)	21 3/4" (552)	20.55 (1.91)
TW3856 0	8.49	(0.79)	41 7/8" (1064)	29 3/16" (741)	16.22	(1.51)	8.61	(0.80)	17 3/4" (451)	21.62 (2.01)
TW38510 0	9.07	(0.84)	41 7/8" (1064)	31 3/16" (792)	17.30	(1.61)	9.20	(0.85)	13 3/4" (349)	23.08 (2.14)
TW3862 0	9.65	(0.90)	41 7/8" (1064)	33 3/16" (843)	18.38	(1.71)	9.78	(0.91)	9 3/4" (248)	24.35 (2.26)

Tilt-Wash Transom Window Area Specifications *(continued)*

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
TWT2827	4.99 (0.46)	7.78 (0.72)
TWT2831	6.12 (0.57)	9.18 (0.85)
TWT21010	1.07 (0.10)	2.97 (0.28)
TWT21015	2.55 (0.24)	4.78 (0.44)
TWT21017	2.95 (0.27)	5.27 (0.49)
TWT210111	3.75 (0.35)	6.26 (0.58)
TWT21021	4.15 (0.39)	6.76 (0.63)
TWT21023	4.56 (0.42)	7.25 (0.67)
TWT21027	5.36 (0.50)	8.24 (0.77)
TWT21031	6.57 (0.61)	9.73 (0.90)
TWT3010	1.15 (0.11)	3.14 (0.29)
TWT3015	2.72 (0.25)	5.05 (0.47)
TWT3017	3.15 (0.29)	5.57 (0.52)
TWT30111	4.01 (0.37)	6.61 (0.61)
TWT3021	4.44 (0.41)	7.14 (0.66)
TWT3023	4.87 (0.45)	7.66 (0.71)
TWT3027	5.73 (0.53)	8.70 (0.81)
TWT3031	7.02 (0.65)	10.27 (0.95)
TWT3410	1.30 (0.12)	3.47 (0.32)
TWT3415	3.07 (0.29)	5.58 (0.52)
TWT3417	3.56 (0.33)	6.16 (0.57)
TWT34111	4.53 (0.42)	7.32 (0.68)
TWT3421	5.02 (0.47)	7.89 (0.73)
TWT3423	5.50 (0.51)	8.47 (0.79)
TWT3427	6.47 (0.60)	9.63 (0.90)
TWT3431	7.93 (0.74)	11.36 (1.06)
TWT3810	1.45 (0.14)	3.80 (0.35)
TWT3815	3.42 (0.32)	6.12 (0.57)
TWT3817	3.97 (0.37)	6.75 (0.63)
TWT38111	5.05 (0.47)	8.02 (0.75)
TWT3821	5.59 (0.52)	8.65 (0.80)
TWT3823	6.13 (0.57)	9.29 (0.86)
TWT3827	7.21 (0.67)	10.55 (0.98)
TWT3831	8.84 (0.82)	12.46 (1.16)

• Dimensions in parentheses are in square meters.

Tilt-Wash Picture Window Area Specifications

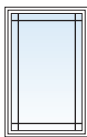
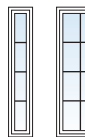
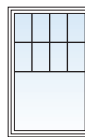
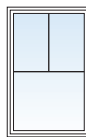
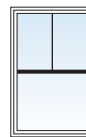
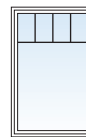
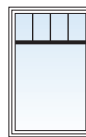
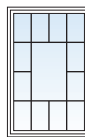
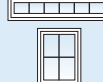
Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
DHP10310	2.03 (0.19)	4.07 (0.38)
DHP1042	2.22 (0.21)	4.41 (0.41)
DHP1046	2.42 (0.23)	4.74 (0.44)
DHP10410	2.61 (0.24)	5.07 (0.47)
DHP1052	2.81 (0.26)	5.41 (0.50)
DHP1056	3.01 (0.28)	5.74 (0.53)
DHP10510	3.20 (0.30)	6.07 (0.56)
DHP1062	3.40 (0.32)	6.41 (0.60)
DHP30310	9.38 (0.87)	12.77 (1.19)
DHP3042	10.29 (0.96)	13.82 (1.28)
DHP3046	11.19 (1.04)	14.86 (1.38)
DHP30410	12.10 (1.12)	15.91 (1.48)
DHP3052	13.01 (1.21)	16.95 (1.58)
DHP3056	13.92 (1.29)	18.00 (1.67)
DHP30510	14.83 (1.38)	19.04 (1.77)
DHP3062	15.73 (1.46)	20.09 (1.87)
DHP34310	10.53 (0.98)	14.13 (1.31)
DHP3442	11.54 (1.07)	15.28 (1.42)
DHP3446	12.56 (1.17)	16.44 (1.53)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
DHP34410	13.58 (1.26)	17.60 (1.64)
DHP3452	14.60 (1.36)	18.75 (1.74)
DHP3456	15.62 (1.45)	19.91 (1.85)
DHP34510	16.64 (1.55)	21.07 (1.96)
DHP3462	17.66 (1.64)	22.22 (2.06)
DHP310310	12.16 (1.13)	16.06 (1.49)
DHP31042	13.33 (1.24)	17.37 (1.61)
DHP31046	14.51 (1.35)	18.69 (1.74)
DHP310410	15.69 (1.46)	20.00 (1.86)
DHP31052	16.87 (1.57)	21.32 (1.98)
DHP31056	18.04 (1.68)	22.63 (2.10)
DHP310510	19.22 (1.79)	23.94 (2.22)
DHP31062	20.40 (1.90)	25.26 (2.35)
DHP42310	13.30 (1.24)	17.42 (1.62)
DHP4246	15.88 (1.48)	20.27 (1.88)
DHP42410	17.17 (1.60)	21.69 (2.02)
DHP4252	18.46 (1.72)	23.12 (2.15)
DHP4256	19.75 (1.84)	24.54 (2.28)
DHP42510	21.03 (1.95)	25.97 (2.41)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
DHP4262	22.32 (2.07)	27.39 (2.55)
DHP410310	15.60 (1.45)	20.13 (1.87)
DHP41042	17.11 (1.59)	21.78 (2.02)
DHP41046	18.62 (1.73)	23.43 (2.18)
DHP410410	20.13 (1.87)	25.07 (2.33)
DHP41052	21.64 (2.01)	26.72 (2.48)
DHP41056	23.15 (2.15)	28.37 (2.64)
DHP410510	24.66 (2.29)	30.02 (2.79)
DHP41062	26.17 (2.43)	31.66 (2.94)
DHP56310	17.89 (1.66)	22.85 (2.12)
DHP5642	19.63 (1.82)	24.72 (2.30)
DHP5646	21.36 (1.98)	26.59 (2.47)
DHP56410	23.09 (2.15)	28.46 (2.64)
DHP5652	24.83 (2.31)	30.33 (2.82)
DHP5656	26.56 (2.47)	32.20 (2.99)
DHP56510	28.29 (2.63)	34.07 (3.17)
DHP5662	30.02 (2.79)	35.93 (3.34)

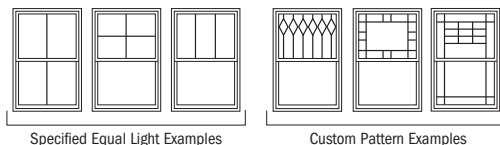
• Dimensions in parentheses are in square meters.

Grille Patterns

	Prairie A6-Light PrairieColonial									
Tilt-Wash Double-Hung	 Equal Sash	 Cottage Sash	 Equal Sash	 Cottage Sash	 Equal Sash	 Cottage Sash	Double-hung window patterns are also available in Upper Sash Only (USO) configurations.			
							For picture window patterns that require alignment with double-hung patterns, identify the sash style (equal or cottage) when ordering.			
	Prairie AColonialModified* ColonialModified* Colonial SCR (Simulated Check Rail)Tall FractionalTall Fractional SCR (Simulated Check Rail)Short FractionalShort Fractional SCR (Simulated Check Rail)Victorian									
Tilt-Wash Picture										
Tilt-Wash Transom										

* Andersen® Finelight™ grilles available in 3/4" (19) profile only.

* Location from top of window to bottom of divided light pattern is available at 8" (203), 10" (254), 12" (305), center and custom dimensions.



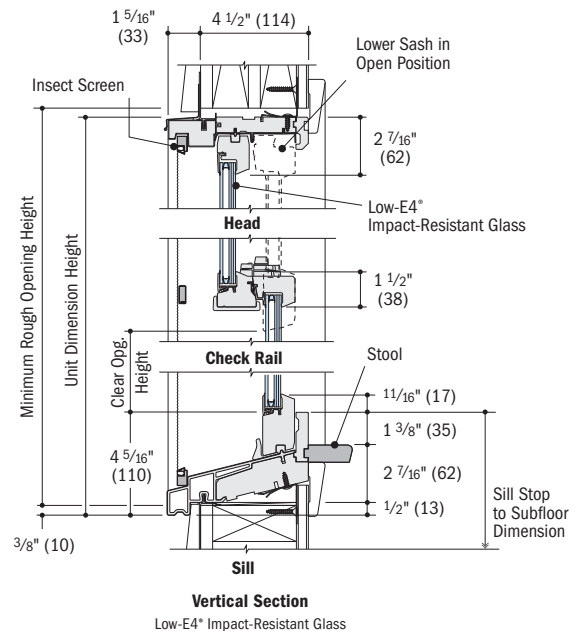
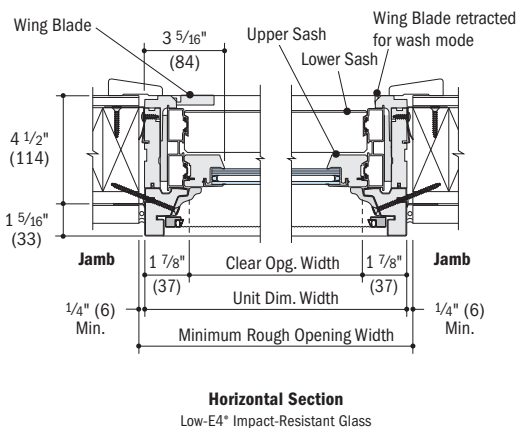
Number of lights and overall pattern varies with window size.

Patterns shown may not be available for all sizes.

Specified equal light and custom patterns are also available. Some restrictions apply. For more information on divided light see page 147.

Tilt-Wash Double-Hung Window Details

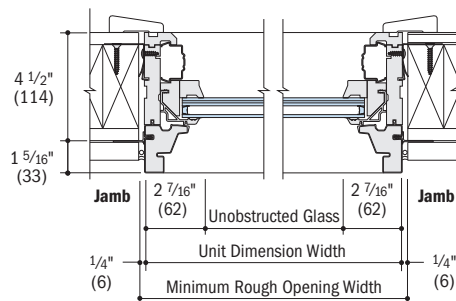
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



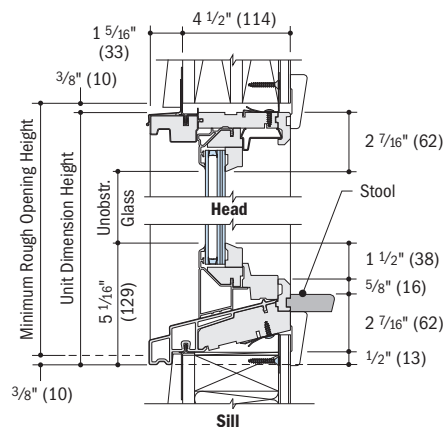
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

Tilt-Wash Picture Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



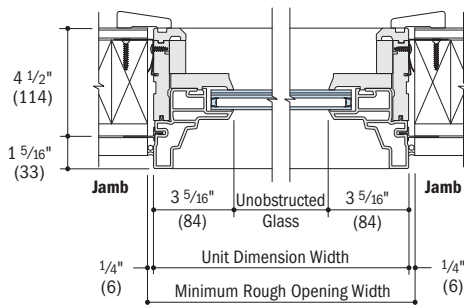
Horizontal Section
Low-E4* Impact-Resistant Glass



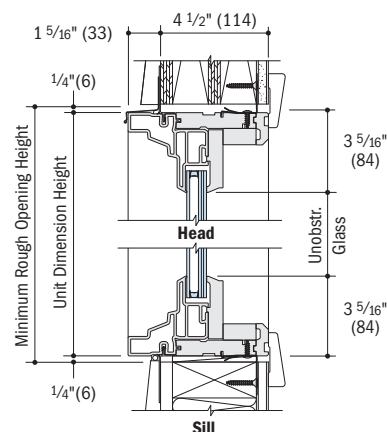
Vertical Section
Low-E4* Impact-Resistant Glass

Tilt-Wash Transom Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Horizontal Section
Low-E4* Impact-Resistant Glass



Vertical Section
Low-E4* Impact-Resistant Glass

Vertical (ribbon) Joining Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

Overall Window Dimension Width

Sum of individual window widths plus 3/4" (19) for each join.

Overall Minimum Rough Opening Width

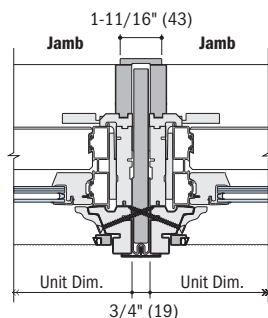
Overall window dimension width plus 1/2" (13).

Overall Window Dimension Width

Sum of individual window widths plus 3/16" (5) for each join.

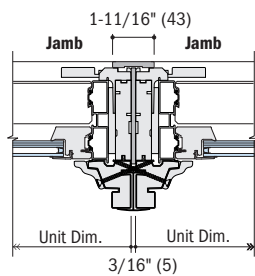
Overall Minimum Rough Opening Width

Overall window dimension width plus 1/2" (13).



Horizontal Section
LVL

Tilt-Wash Double-Hung to Tilt-Wash Double-Hung



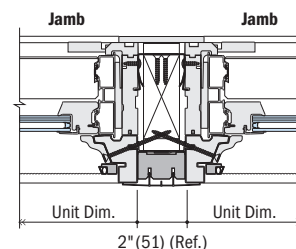
Horizontal Section
Steel

Tilt-Wash Double-Hung to Tilt-Wash Double-Hung

Separate Rough Openings Detail

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

To meet structural requirements or to achieve a wider joined appearance, windows may be installed into separate rough openings having vertical support (by others) in combination with Andersen® exterior filler and exterior vinyl trim strip.



Horizontal Section
Tilt-Wash Double-Hung and Tilt-Wash Double-Hung

- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Consult with an architect or structural engineer regarding minimum requirements for structural support members between adjacent rough openings.

For more joining information see the combination designs section starting on page 193.

SPECIALTY WINDOWS

CUSTOM SIZING!
in $\frac{1}{8}$ " (3) increments



400 Series
Specialty Windows

SECTION REFERENCE

Half Circle, Quarter Circle, Elliptical, Eyebrow, Circle, Oval, Gothic, Octagon, Monumental Circle & Quarter Circle

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Arch, Springline™ & Springline™ Flanker

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Flexiframe®	192
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Art Glass Options	149
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Dimensions in parentheses are in millimeters.

FEATURES

Frame

A Wood frame members are treated with a water-repellent preservative for long-lasting* protection and performance. Radii are made of laminated select hardwood, offering improved strength and appearance.

B The lineal sections of the jamb and sill on Andersen® Flexiframe®, custom arch, arch and enhancement windows are covered with a low-maintenance, fiberglass-reinforced composite. The arched head members and Springline™ units are covered with stretch-formed aluminum.

C The vinyl flange on Flexiframe®, custom arch, arch, Springline™ and enhancement units extends 1 1/4" (32) around the entire perimeter of the unit. It helps seal the unit to the structure.

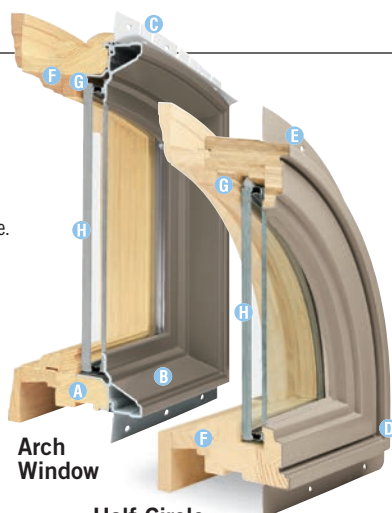
D Andersen® half circle, quarter round, circle and oval windows are covered with a rigid vinyl cladding. Low-maintenance exterior cladding provides long-lasting* beauty.

E Rigid vinyl cladding on the Andersen half circle, quarter round, circle and oval window frames forms a full-perimeter flange for sealing the unit to the structure. It also helps maintain an attractive appearance while minimizing maintenance.

F Inside trim stop is made of unfinished pine. Arched trim stops are made with quality, full-length, select hardwood laminations. Units are shipped with the trim stops tacked on, so removal is easy — expediting finishing and joining procedures.

G Unfinished interior wood glazing stops help secure the glass in place. Arched glazing stops are made with full-length select hardwood laminations.

 Interior wood stops are secured to frame using 1 1/2" (38) 16-gauge crown staples instead of nails.



Arch Window

Half Circle Window

Glass

H Consult local building codes for glass most suitable to your area. High-performance glass options include:

- Low-E4® impact-resistant glass**
- Low-E4 SmartSun™ impact-resistant glass**
- Low-E4 Sun impact-resistant glass**
- Low-E4 tempered impact-resistant glass options available
- Impact-resistant Monolithic Clear glass†
- Impact-resistant Monolithic Gray glass†

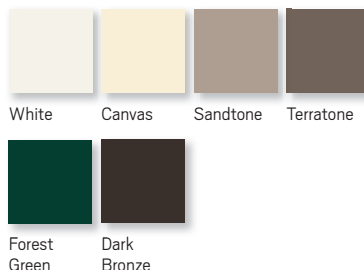
A removable translucent film helps shield the glass from damage during delivery and construction and simplifies finishing at the jobsite.

Installation System

 The installation system includes 1 1/2" (38) by 3" (76) stainless steel installation clips for additional reinforcement. The installation clips are screwed to the frame and fastened to the rough opening for secure installation. Optional 6" (152) clips are available for use with factory-applied or preapplied extension jambs. Springline™ units are fastened through jambs.



EXTERIOR



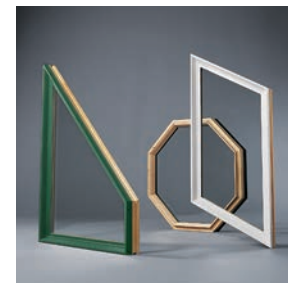
INTERIOR



Naturally occurring variations in grain, color and texture of wood make each window one of a kind. All wood interiors are unfinished unless prefinished White is specified.



Flexiframe® Window



Springline™ Window



Circle/Oval Window

*Visit andersenwindows.com/warranty or contact your Andersen supplier for details on the 400 Series with Stormwatch® protection and impact-resistant glass Limited Warranty.

**On units up to 50 sq. ft.

†On units up to 30 sq. ft.

Dimensions in parentheses are in millimeters.

Printing limitations prevent exact duplication of colors and finishes. See your Andersen supplier for actual color and finish samples.

ACCESSORIES

Frame

Extension Jamb

Specify extension jambs when ordering.

Standard unit jamb depth is 2 7/8" (73), except for double-hung half circle units, which are 4 1/2" (114).

Pine extension jambs are available for the following wall thicknesses:

- 4 9/16" (116)
- 5 1/4" (133)
- 6 5/16" (167)
- 7 1/8" (181)

Some sizes may be pine veneer.

Springline™ window extension jambs and transition pieces are applied when ordered with the unit (key component block is also applied to units with a 48" (1219) radius).

Extension Jamb Alignment for Joined Combinations

When joining 400 Series arch, Springline or Flexiframe® over casement or when joining arch, Springline or Flexiframe alongside awning, use Method A or Method B for extension jamb alignment. See page 190 for details.

Method A: Individually Framed

Specify Andersen® auxiliary extension jambs. Available for the following wall thicknesses:

- 4 9/16" (116)
- 5 1/4" (133)
- 6 5/16" (167)
- 7 1/8" (181)

Method B: Perimeter Framed

Specify 1/4" (6) filler in pine or white.

Requires modification of extension jambs.

Interior Arch Casing

Available in Colonial or Ranch styles. Two transition blocks come with each arch casing. Arch window casings come with plinth blocks. The 16' (4880) casing for custom arch comes with two plinth blocks and a key block. For easy integration and consistency, casing dimensions are consistent with Wood Moulding and Millwork Producers Association specifications.



2 1/4" (57) Colonial style in pine, maple or oak. WM366.



2 1/2" (64) Colonial style in pine, maple or oak. WM351.



3 1/2" (89) Colonial style in pine, maple or oak. WM444.



2 1/4" (57) Ranch style in pine, maple or oak. WM324.

2 1/2" (64) Ranch style in pine, maple or oak. WM315.

Plinth Blocks

For enhancing casing transitions. Decorated with a radial sunburst, or use the reverse side flush face.

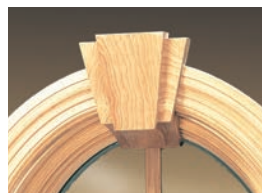


For arch windows: 2 7/8" (73) x 4" (102) size for use with 2 1/4" (57) and 2 1/2" (64) casing, 3 7/8" (98) x 5 1/4" (133) size for use with 3 1/2" (89) casing.



For half circle, circle and oval windows: 2 7/8" (73) size for use with 2 1/4" (57) and 2 1/2" (64) casing, 3 7/8" (98) size for use with 3 1/2" (89) casing.

Key Block



Excellent for creating unique trim designs or accents at arch casing transitions. A key block is an option for Andersen circle and oval windows. Not available on units with Monolithic glass.

Transition Piece



Two transition pieces come with the interior arch casing extension jambs, providing a beautiful accent for circle and oval windows.

Glass

Andersen® Art Glass

Andersen art glass panels come in 11 original patterns, including four Frank Lloyd Wright® Series designs. See page 149 for details on Andersen art glass. Visit andersenwindows.com/artglass for details and pattern information.

Grilles

Grilles are available in a variety of configurations and widths. For specialty grille patterns see pages 185 and 190.

Exterior Trim

Select specialty windows are now available with Andersen Exterior Trim. Contact your Andersen supplier for details.

CAUTION:

- Painting and staining may cause damage to rigid vinyl.
- 400 Series windows in Terratone color may be painted any color lighter than Terratone color using quality oil-base or latex paint. Submit color samples to Andersen for approval when painting Terratone any color darker than Terratone.
- Do not paint 400 Series windows with White, Canvas, Sandtone, Forest Green or Dark Bronze exterior colors.
- Creosote-based stains should not come in contact with Andersen products.
- Do not paint weatherstripping.
- Abrasive cleaners or solutions containing corrosive solvents should not be used on Andersen products.
- For vinyl painting instructions and preparation, contact your Andersen supplier.
- Andersen does not warrant the adhesion or performance of homeowner-applied paint over vinyl or other factory-coated surfaces.

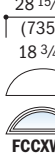
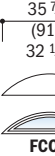
Table of Half Circle and Eyebrow Window Sizes – Double-Hung

Scale 1/8" (3) = 1'-0" (305) – 1:96

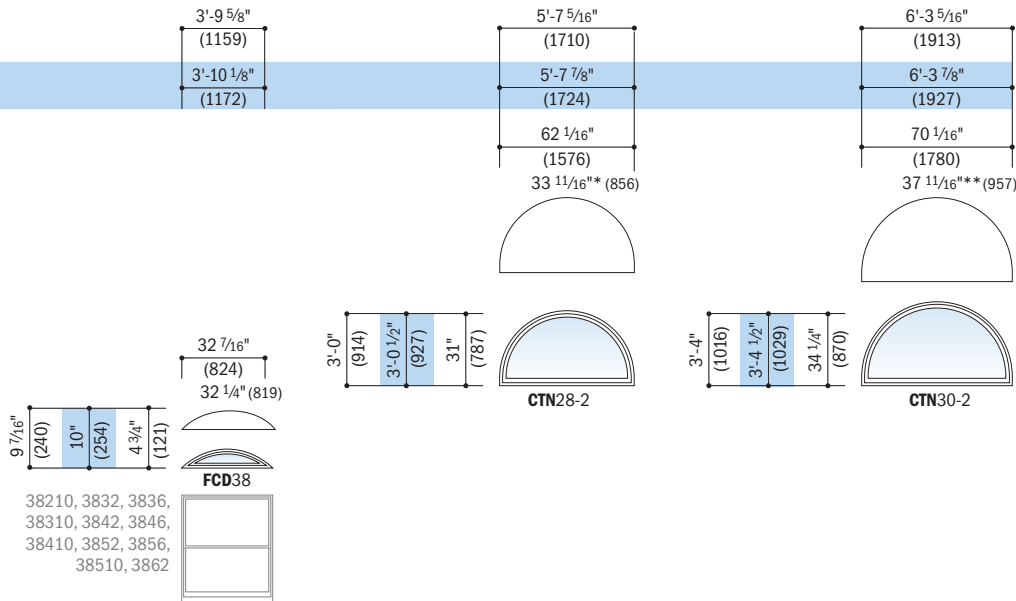
Window Dimension	2'-1 5/8" (651)	2'-5 5/8" (752)	2'-9 5/8" (854)	3'-1 5/8" (956)	3'-5 5/8" (1057)
Minimum Rough Opening	2'-2 1/8" (664)	2'-6 1/8" (765)	2'-10 1/8" (867)	3'-2 1/8" (968)	3'-6 1/8" (1070)
Unobstructed Glass (Half Circle)	20 3/8" (518)	24 3/8" (619)	28 3/8" (721)	32 3/8" (822)	36 3/8" (924)
Radius	12 13/16" (325)	14 13/16" (376)	16 13/16" (427)	18 13/16" (478)	20 13/16" (529)
					
CTN20	CTN24	CTN28	CTN30	CTN34	
1'-3 3/16" (386) 1'-3 3/4" (400) 1'-10 3/16" (259)	1'-5 3/16" (437) 1'-5 3/4" (451) 1'-12 3/16" (310)	1'-7 3/16" (487) 1'-7 3/4" (502) 1'-14 3/16" (360)	1'-9 3/16" (538) 1'-9 3/4" (552) 1'-16 3/16" (411)	1'-11 3/16" (589) 1'-11 3/4" (603) 1'-18 3/16" (462)	
					
20210, 2032, 2036, 20310, 2042, 2046, 20410, 2052, 2056, 20510, 2062	24210, 2432, 2436, 24310, 2442, 2446, 24410, 2452, 2456, 24510, 2462	28210, 2832, 2836, 28310, 2842, 2846, 28410, 2852, 2856, 28510, 2862	30210, 3032, 3036, 30310, 3042, 3046, 30410, 3052, 3056, 30510, 3062	34210, 3432, 3436, 34310, 3442, 3446, 34410, 3452, 3456, 34510, 3462	
					
		FCD28	FCD30	FCD34	
		Unobstructed Glass (Eyebrow) 24 7/8" (632) Radius 18 3/4" (476)	26 7/8" (664) 24" (610)	32 7/16" (824) 24" (610)	
		10 7/16" (265) 11" (279) 5 3/4" (146)	9 1/8" (232) 9 5/8" (244) 4 3/8" (111)	1'-0 1/16" (306) 1'-0 5/8" (321) 7 5/16" (186)	
					

Table of Half Circle, Quarter Circle and Eyebrow Window Sizes – Casement/Awning

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	2'-0 1/8" (613)	2'-4 3/8" (721)	2'-7 1/2" (800)	2'-11 15/16" (913)	4'-0" (1219)
Minimum Rough Opening	2'-0 5/8" (625)	2'-4 7/8" (733)	2'-8" (813)	3'-0 1/2" (927)	4'-0 1/2" (1232)
Unobstructed Glass (Half & Quarter Circle)	19 1/2" (495)	23 3/4" (603)	26 7/8" (683)	31 5/16" (795)	43 3/8" (1102)
Radius	12 1/16" (306)	14 3/16" (360)	15 3/4" (400)	18" (457)	24" (610)
					
CTC1	CTCW1	CTCX1	CTCXW1	CTC2	
1'-2 3/8" (365) 1'-2 7/8" (378) 9 3/4" (248)	1'-4 1/2" (419) 1'-5" (432) 11 7/8" (302)	1'-6" (458) 1'-6 1/2" (470) 13 7/16" (341)	1'-8 1/4" (514) 1'-8 3/4" (527) 15 5/8" (397)	2'-2 5/16" (668) 2'-2 7/8" (683) 21 11/16" (551)	
					
Radius 24" (610)	28 1/4" (718)	31 3/8" (797)	35 13/16" (910)		
					
CTQC1	CTQCW1	CTQCX1	CTQA3		
2'-0 1/8" (613) 2'-0 5/8" (625) 19 1/2" (495)	2'-4 3/8" (721) 2'-4 7/8" (733) 23 3/4" (603)	2'-7 1/2" (800) 2'-8" (813) 26 7/8" (683)	2'-11 15/16" (913) 3'-0 1/2" (927) 31 5/16" (795)	Unobstructed Glass (Eyebrow) 28 15/16" (735) Radius 18 3/4" (476)	35 7/8" (911) 32 1/4" (819)
					
C12, C125, C13, C135, C14, C145, C15, C155, C16, CTR2010, AR21, AN21, A21, AW21, A212, A213	CW12, CW125, CW13, CW135, CW14, CW145, CW15, CW155, CW16, CTR2410, AR251, AN251, A251, AW251, AX251	CX125, CX13, CX135, CX14, CX145, CX15, CX155, CX16, CTR2810, AR281, AN281, A281, AW281, AX281	CXW13, CXW135, CXW14, CXW145, P3030, P3035, P3040, P3045, P3050, P3055, P3060, AR31, AN31, A31, AW31, AX31, A312, A313, CTR3010, PTR3010	C22, C225, C23, C235, C24, C245, C25, C26, C255, AR41, AN41, A41, AW41, AX41, AR221, AN221, A221, AW221, P4030, P4035, P4040, P4045, P4050, P4055, P4060, PTR4010	
					

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.
- Actual radius of 17 31/32" (456).



Compatible double-hung window sizes are shown below specialty windows.

Details and grille patterns shown on page 185.

Half Circle – Double-Hung Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)
CTN20	1.1 (0.10)
CTN24	1.6 (0.15)
CTN28	2.2 (0.20)
CTN30	2.8 (0.26)
CTN34	3.6 (0.34)
CTN28-2	10.5 (0.98)
CTN30-2	13.4 (1.25)

Eyebrow Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)
FCD28	0.69 (0.06)
FCD30	0.54 (0.05)
FCD34	1.15 (0.11)
FCD38	0.84 (0.08)
FCCXW3	1.24 (0.12)
FCC2	1.02 (0.09)
FCCW2	2.78 (0.26)

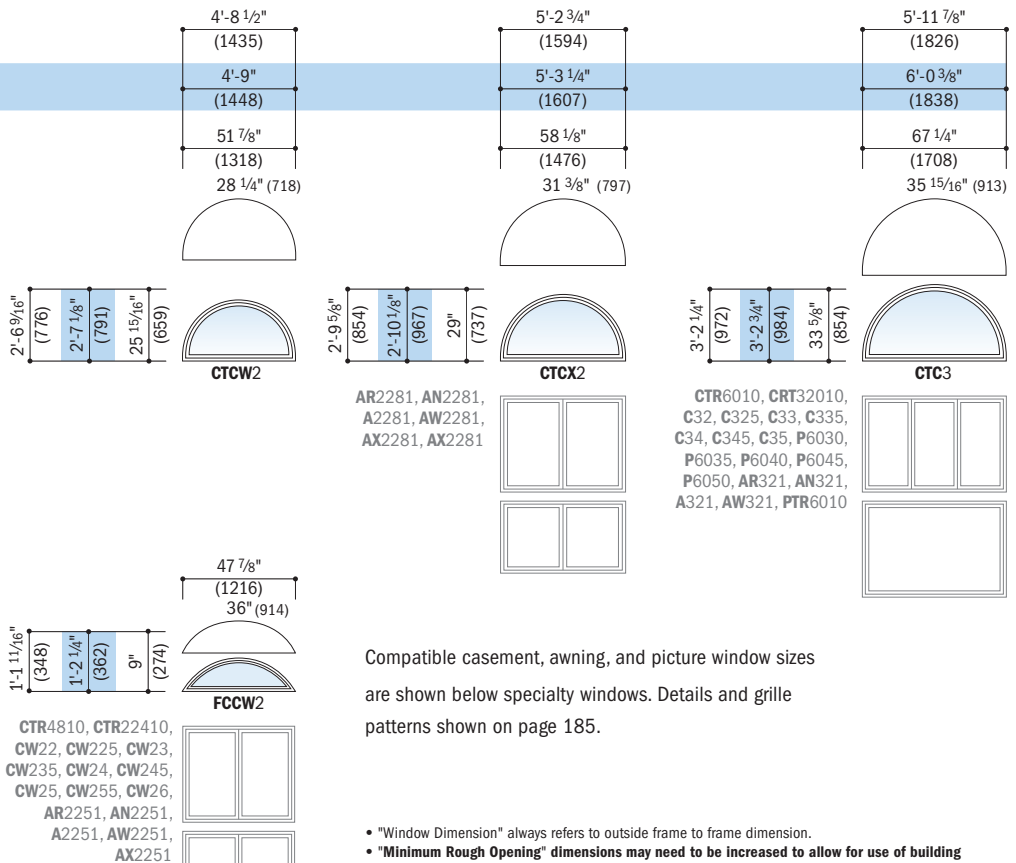
Half Circle – Casement/Awning Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)
CTC1	1.0 (0.09)
CTCW1	1.5 (0.14)
CTCXW1	2.7 (0.25)
CTC2	5.1 (0.47)
CTCW2	7.3 (0.68)
CTC3	12.3 (1.14)
CTCX1	2.0 (0.19)
CTCX2	9.3 (0.86)

Quarter Circle – Casement/Awning Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)
CTQC1	1.9 (0.18)
CTQCW1	3.0 (0.28)
CTQA3	5.2 (0.48)
CTQCX1	3.8 (0.35)

• Dimensions in parentheses are in square meters.



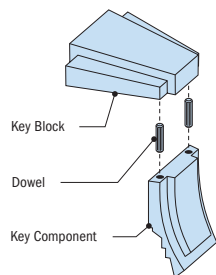
Compatible casement, awning, and picture window sizes are shown below specialty windows. Details and grille patterns shown on page 185.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.
- Actual radius of 33 21/32" (855).
- Actual radius of 37 21/32" (956).

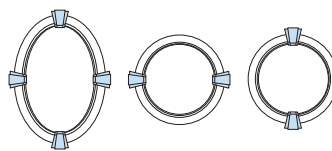
Table of Circle Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	2'-0 1/8"	2'-4 3/8"	2'-11 15/16"
	(613)	(721)	(913)
Minimum Rough Opening	2'-0 5/8"	2'-4 7/8"	3'-0 1/2"
	(625)	(733)	(927)
Unobstructed Glass	19 3/4"	24"	31 9/16"
	(502)	(610)	(802)



Typical Andersen® key block kit installation.
Key block kit is not available for windows with Monolithic impact-resistant glass.



Oval windows can be installed either vertically or horizontally.



Details and grille patterns shown on page 185.

Table of Oval Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-7 3/4"	2'-0"	3'-0"
	(502)	(610)	(914)
Minimum Rough Opening	1'-8 1/4"	2'-0 1/2"	3'-0 1/2"
	(514)	(622)	(927)
Unobstructed Glass	15 3/8"	19 3/8"	31 3/8"
	(391)	(492)	(797)

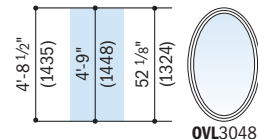
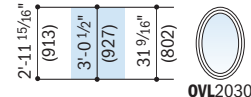
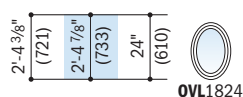


Table of Gothic Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	2'-0 1/8"	2'-4 3/8"	2'-11 15/16"	4'-0"
	(613)	(721)	(913)	(1219)
Minimum Rough Opening	2'-0 5/8"	2'-4 7/8"	3'-0 1/2"	4'-0 1/2"
	(625)	(733)	(927)	(1232)
Unobstructed Glass	19 7/16"	23 11/16"	31 1/4"	43 5/16"
	(495)	(602)	(794)	(110)
Radius	32 1/4" (819)	32 1/4" (819)	36" (914)	48" (1219)

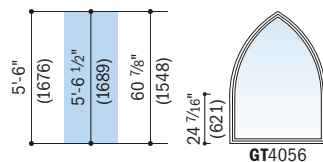
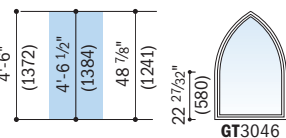
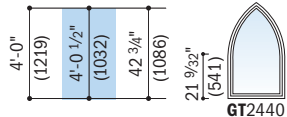
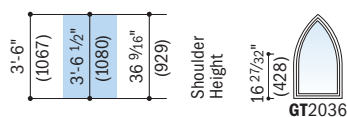


Table of Octagon Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	2'-0"	2'-4"	3'-0"
	(610)	(711)	(914)
Minimum Rough Opening	2'-0 1/2"	2'-4 1/2"	3'-0 1/2"
	(622)	(724)	(927)
Unobstructed Glass	19 5/16"	23 5/16"	31 5/16"
	(491)	(592)	(795)



Table of Monumental Quarter Circle & Circle Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	4'-0"	4'-0"	6'-0"
	(1219)	(1219)	(1829)
Minimum Rough Opening	4'-0 1/2"	4'-0 1/2"	6'-0 1/2"
	(1232)	(1232)	(1842)
Unobstructed Glass	43 1/4"	43 5/16"	67 5/16"
	(1099)	(1100)	(1710)
Radius	48" (1219)	24" (610)	36" (914)

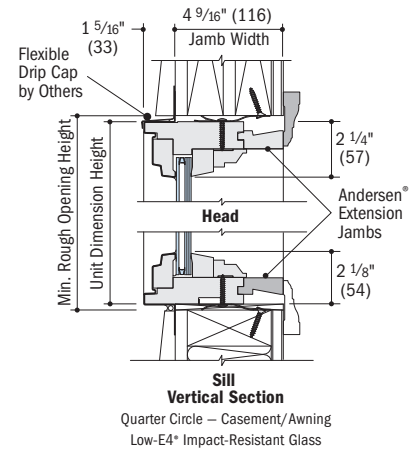
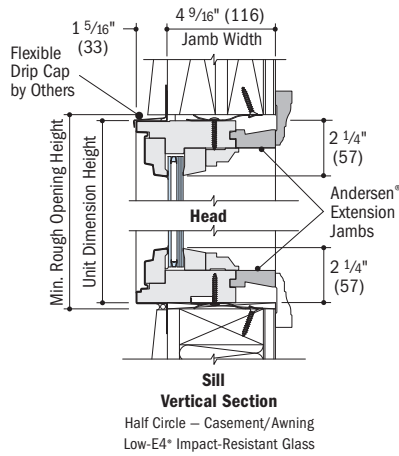
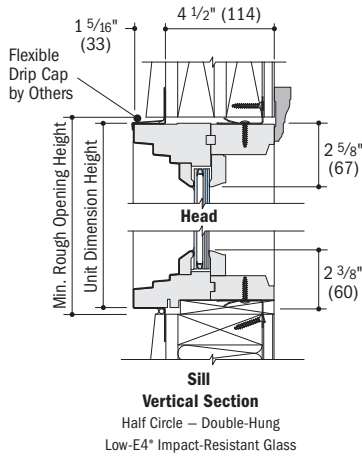
Details and grille patterns shown on page 185.



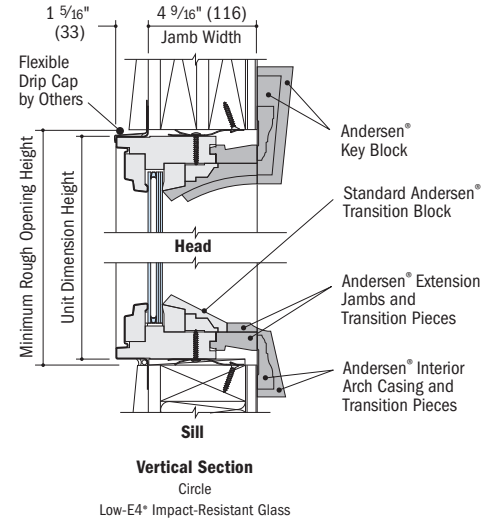
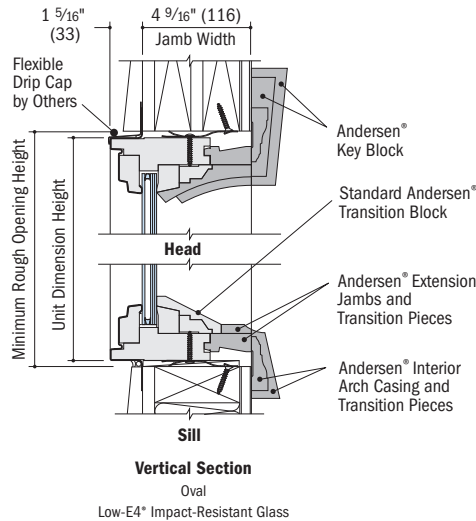
- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 217 for more details.
- Dimensions in parentheses are in millimeters.

Specialty Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.



Circle & Oval Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m²)
CIR20	2.1 (0.20)
CIR24	3.0 (0.28)
CIR30	5.2 (0.48)
OVL1824	1.9 (0.18)
OVL2030	3.2 (0.30)
OVL3048	8.7 (0.81)

Gothic, Octagon, Monumental Quarter Circle & Monumental Circle Window Area Specifications

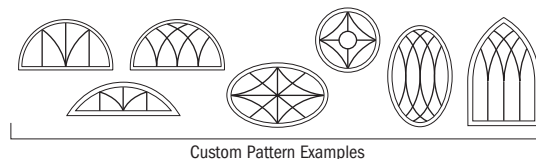
Window Number	Glass Area Sq. Ft./ (m²)
GT2036	4.01 (0.37)
GT2440	5.84 (0.54)
GT3046	8.78 (0.82)
GT4056	14.88 (1.38)
OC20	2.14 (0.20)
OC24	3.12 (0.29)
OC30	5.63 (0.52)
QR40	9.91 (0.92)
FR40	10.22 (0.95)
FR60	24.69 (2.29)

- Dimensions in parentheses are in square meters.

Grille Patterns

	Renaissance	Colonial		Renaissance	Sunburst
Eye brow			Half Circle		
Circle			Quarter Circle		
Oval			Monumental Quarter Circle		
Gothic			Monumental Circle		
Octagon					

- Andersen® Finelight™ grilles available in 3/4" (19) profile only.



Number of lights and overall pattern varies with window size. Patterns shown may not be available for all shapes in all sizes.

Specialty window patterns may not align with picture windows patterns when horizontally joined.

Specified equal light and custom patterns are also available. For more information on divided light see page 147 or visit andersenwindows.com/grilles.

Table of Arch Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on the next page also apply to this page.

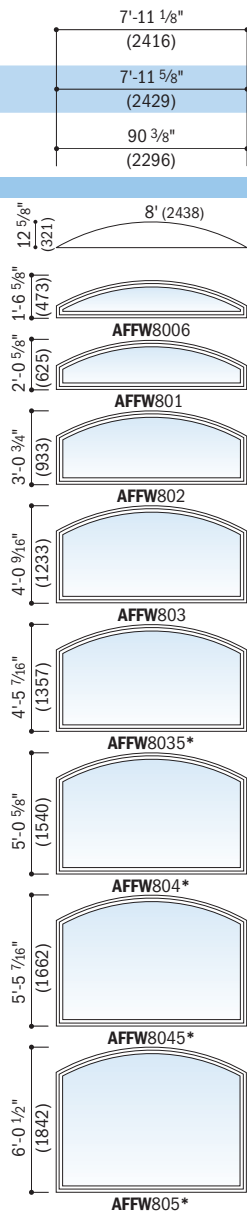
Window Width Dimension	2'-0 1/8" (613)	2'-4 3/8" (721)	2'-11 15/16" (913)	4'-0" (1219)	4'-8 1/2" (1435)	4'-11 1/4" (1505)	5'-11 1/4" (1810)
Minimum Rough Opening	2'-0 5/8" (625)	2'-4 7/8" (733)	3'-0 1/2" (927)	4'-0 1/2" (1232)	4'-9" (1448)	4'-11 3/4" (1518)	5'-11 3/4" (1822)
Unobstructed Glass	19 3/8" (492)	23 5/8" (600)	31 3/16" (792)	43 1/4" (1099)	51 3/4" (1314)	54 1/2" (1384)	66 1/2" (1689)

Window height shown in table

Minimum Rough Opening = window height + 1/2" (13)

Unobstructed Glass = window height - 4 3/4" (121)

CUSTOM SIZES AVAILABLE									
Radius	2' (610)	2' (610)	3' (914)	4' (1219)	5' (1524)	5' (1524)	6' (1829)		
Chord Height	9 1/4" (235)	10 1/4" (261)	10 13/16" (275)	11 1/16" (281)	11 1/16" (281)	11 1/16" (281)	11 1/16" (281)		
Shoulder Height	12" (305)	12" (305)	12" (305)	12" (305)	12" (305)	12" (305)	12" (305)		
	AFC106	AFCW106	AFCP3006	AFC206	AFCW206	AFFW5006	AFFW6006		
	AFC11	AFCW11	AFCP301	AFC21	AFCW21	AFFW501	AFFW601		
	AFC12	AFCW12	AFCP302	AFC22	AFCW22	AFFW502	AFFW602		
	AFC13	AFCW13	AFCP303	AFC23	AFCW23	AFFW503	AFFW603		
	AFC135	AFCW135	AFCP3035	AFC235	AFCW235	AFFW5035	AFFW6035		
	AFC14	AFCW14	AFCP304	AFC24	AFCW24	AFFW504	AFFW604		
	AFC145	AFCW145	AFCP3045	AFC245	AFCW245	AFFW5045	AFFW6045		
	AFC15	AFCW15	AFCP305	AFC25	AFCW25	AFFW505	AFFW605*		
	AFC155	AFCW155	AFCP3055	AFC255	AFCW255	AFFW5055*	AFFW6055*		
	AFC16	AFCW16	AFCP306	AFC26	AFCW26	AFFW506*	AFFW606*		
	AFC18	AFCW18	AFCP308	AFC28*	AFCW28*	AFFW508*	AFFW608*		

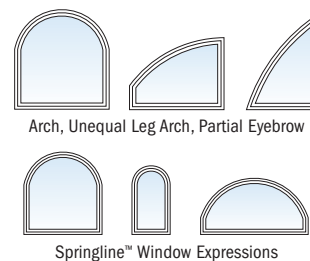


Custom-size windows are available in 1/8" (3) increments. For more information contact your Andersen supplier.

Details on page 191. Grille patterns shown on page 190.

Custom Arch Windows

Andersen offers even greater design flexibility with custom-dimensioned equal leg arches, unequal leg arches and partial eyebrow. Custom arch windows can be designed using one of 9 standard radii, further expanding the existing line of 85 standard sizes of Andersen arch windows. Custom arch shapes and sizes are constructed to be used in combination with other Andersen® windows.



Design Criteria

Listed below are some factors that must be considered when deciding on a custom arch size and shape. For specific design criteria, joining guidelines and order information, contact your Andersen supplier.

Do all calculations in inches to 3 decimal places

Order extension jambs along with window for correct sizing

All units are stationary

MAXIMUM GLASS AREA

- 50 sq. ft. or 4.65 m² glass dimension for Low-E4® Tempered Impact-Resistant Glass
- 30 sq. ft. or 2.79 m² glass dimension for Monolithic Impact-Resistant Glass

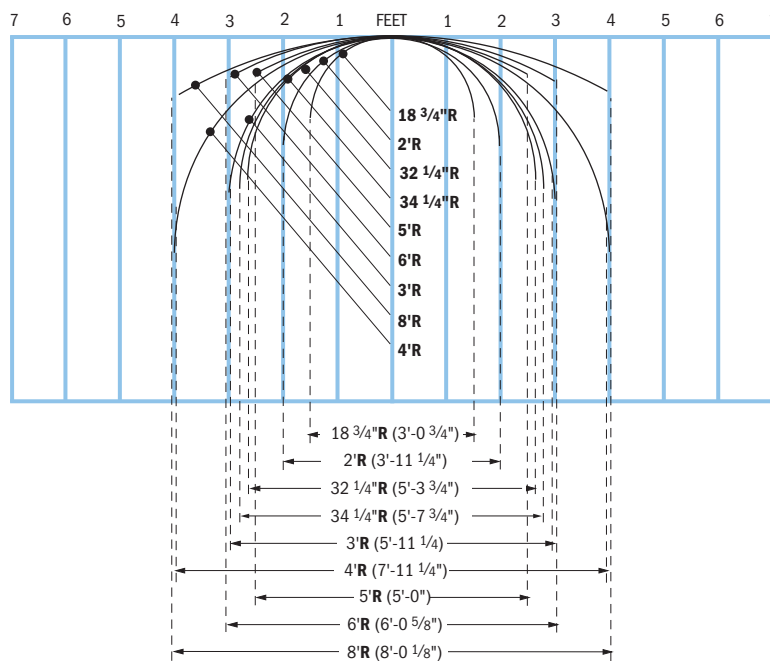
9 standard radii: 18 3/4" (476), 2' (610), 32 1/4" (819), 34 1/4" (870), 3' (914), 4' (1219), 5' (1524), 6' (1829), 8' (2438)

Maximum single window width is based on available radius piece length, contact supplier for specific information.

- **Maximum equal leg width:** 36 3/4" (933) for 18 3/4" (476) radius, below
- **Maximum unequal leg width:** 18 3/4" (476) for 18 3/4" (476) radius
- **Maximum partial eyebrow width:** 18 3/4" (476) for 18 3/4" (476) radius

Only one dimension, height or width, can exceed 7'-0" (2134)

No leg dimension less than 9" (229)



**Standard Radii for Custom Arch
Maximum Width for Equal Leg Arch**

• "Window Dimension" always refers to outside frame to frame dimension.
• "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
• Dimensions in parentheses are in millimeters.
• Available only with Low-E4® impact-resistant glass.

Notes on the next page also apply to this page. Springline™ sizes on pages 188-190.

CUSTOM SIZES AVAILABLE

188

Springline™ Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)	Window Number	Glass Area Sq. Ft./ (m ²)
SE3106	3.74 (0.35)	SE5855	38.70 (3.60)
SE311	5.10 (0.47)	SE586	41.82 (3.89)
SE312	7.86 (0.73)	SE6006	14.01 (1.30)
SE313	10.54 (0.98)	SE601	16.81 (1.56)
SE3135	11.65 (1.08)	SE602	22.47 (2.09)
SE314	13.28 (1.23)	SE603	27.98 (2.60)
SE3145	14.38 (1.34)	SE6035	30.26 (2.81)
SE315	15.98 (1.49)	SE604	33.61 (3.12)
SE3155	17.10 (1.59)	SE6045	35.86 (3.33)
SE316	18.71 (1.74)	SE605	39.16 (3.64)
SE5406	11.22 (1.04)	SE6055	41.46 (3.85)
SE541	13.71 (1.27)	SP402	11.62 (1.08)
SE542	18.74 (1.74)	SP403	15.16 (1.41)
SE543	23.64 (2.20)	SP4035	16.63 (1.55)
SE5435	25.66 (2.38)	SP404	18.78 (1.75)
SE544	28.64 (2.66)	SP4045	20.23 (1.88)
SE5445	30.64 (2.85)	SP405	22.35 (2.08)
SE545	33.57 (3.12)	SP4055	23.83 (2.21)
SE5455	35.61 (3.31)	SP406	25.95 (2.41)
SE546	38.54 (3.58)	SP8006	24.98 (2.32)
SE5806	12.67 (1.18)	SP801	28.79 (2.67)
SE581	15.33 (1.42)	SP802	36.46 (3.39)
SE582	20.69 (1.92)	ELFW6006	11.58 (1.08)
SE583	25.92 (2.41)	ELFW601	14.35 (1.33)
SE5835	28.08 (2.61)	ELFW602	19.95 (1.85)
SE584	31.26 (2.90)	ELFW8006	20.88 (1.94)
SE5845	33.39 (3.10)	ELFW801	24.64 (2.29)
SE585	36.51 (3.39)	ELFW802	32.25 (3.00)

• Dimensions in parentheses are in square meters.



Custom-size windows are available in 1/8" (3) increments. For more information contact your Andersen supplier.

Extension jambs are available factory-applied when ordered at the same time as Springline™ windows.

Details on page 191.
Grille patterns shown on page 190.

7'-11 1/8" (2416)	8'-0" (2438)
7'-11 5/8" (2429)	8'-0 1/2" (2451)
90 3/8" (2296)	91 1/4" (2318)

48" (1219)	48" (1219)
41 9/16" (1056)	48" (1219)
3'-11 9/16" (1208)	4'-6" (1372)
ELFW8006*	SP8006*
4'-5 9/16" (1360)	5'-0" (1524)
ELFW801*	SP801*
5'-5 11/16" (1668)	6'-0 1/8" (1832)
ELFW802*	SP802*

continued on next page

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Dimensions in parentheses are in millimeters.
- Available only with Low-E4* impact-resistant glass.

Arch Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)	Window Number	Glass Area Sq. Ft./ (m ²)	Window Number	Glass Area Sq. Ft./ (m ²)	Window Number	Glass Area Sq. Ft./ (m ²)
AFC106	0.7 (0.07)	AFCP3006	1.4 (0.13)	AFCW206	2.8 (0.26)	AFFW6006	4.4 (0.41)
AFC11	1.6 (0.15)	AFCP301	2.8 (0.26)	AFCW21	5.1 (0.47)	AFFW601	7.2 (0.67)
AFC12	3.4 (0.32)	AFCP302	5.5 (0.51)	AFCW22	9.5 (0.88)	AFFW602	12.9 (1.20)
AFC13	5.1 (0.47)	AFCP303	8.2 (0.76)	AFCW23	13.9 (1.29)	AFFW603	18.5 (1.72)
AFC135	5.8 (0.54)	AFCP3035	9.3 (0.86)	AFCW235	15.7 (1.46)	AFFW6035	20.8 (1.93)
AFC14	6.8 (0.63)	AFCP304	10.9 (1.01)	AFCW24	18.3 (1.70)	AFFW604	24.2 (2.25)
AFC145	7.5 (0.70)	AFCP3045	12.0 (1.12)	AFCW245	20.1 (1.87)	AFFW6045	26.5 (2.46)
AFC15	8.5 (0.79)	AFCP305	13.6 (1.26)	AFCW25	22.7 (2.11)	AFFW605	29.8 (2.77)
AFC155	9.2 (0.86)	AFCP3055	14.7 (1.37)	AFCW255	24.6 (2.29)	AFFW6055	32.1 (2.98)
AFC16	10.3 (0.96)	AFCP306	16.3 (1.51)	AFCW26	27.2 (2.53)	AFFW606	35.5 (3.30)
AFC18	13.8 (1.28)	AFCP308	21.8 (2.03)	AFCW28	36.1 (3.35)	AFFW608	46.9 (4.36)
AFCW106	1.1 (0.10)	AFC206	2.2 (0.20)	AFFW5006	3.2 (0.30)	AFFW8006	7.3 (0.68)
AFCW11	2.1 (0.20)	AFC21	4.1 (0.38)	AFFW501	5.5 (0.51)	AFFW801	11.1 (1.03)
AFCW12	4.2 (0.39)	AFC22	7.8 (0.73)	AFFW502	10.3 (0.96)	AFFW802	18.8 (1.75)
AFCW13	6.3 (0.59)	AFC23	11.5 (1.07)	AFFW503	14.8 (1.38)	AFFW803	26.4 (2.45)
AFCW135	7.1 (0.66)	AFC235	13.0 (1.21)	AFFW5035	16.7 (1.55)	AFFW8035	29.5 (2.74)
AFCW14	8.4 (0.78)	AFC24	15.2 (1.41)	AFFW504	19.5 (1.81)	AFFW804	34.1 (3.17)
AFCW145	9.2 (0.86)	AFC245	16.7 (1.55)	AFFW5045	21.4 (1.99)	AFFW8045	37.1 (3.45)
AFCW15	10.4 (0.97)	AFC25	18.9 (1.76)	AFFW505	24.1 (2.24)	AFFW805	41.6 (3.87)
AFCW155	11.3 (1.05)	AFC255	20.4 (1.90)	AFFW5055	26.1 (2.43)		
AFCW16	12.5 (1.16)	AFC26	22.6 (2.10)	AFFW506	28.8 (2.68)		
AFCW18	16.8 (1.56)	AFC28	30.2 (2.81)	AFFW508	38.2 (3.55)		

• Dimensions in parentheses are in square meters.

Table of Springline™ Window Sizes (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Springline™ sizes on pages 188-190.

Window Width Dimension	3'-1 1/2" (953)	4'-0" (1219)	5'-4 1/2" (1638)	5'-8 1/2" (1740)	6'-0" (1829)
Minimum Rough Opening	3'-2" (965)	4'-0 1/2" (1232)	5'-5" (1651)	5'-9" (1753)	6'-0 1/2" (1842)
Unobstructed Glass	32 3/4" (832)	43 1/4" (1099)	59 3/4" (1518)	63 3/4" (1619)	67 1/4" (1708)
CUSTOM SIZES AVAILABLE					
Radius	18 3/4" (476)	24" (610)	32 1/4" (819)	34 1/4" (870)	36" (914)
Window height shown in table	Chord Height 18 3/4" (476)	24" (610)	32 1/4" (819)	34 1/4" (870)	36" (914)
CUSTOM SIZES AVAILABLE Minimum Rough Opening = window height + 1/2" (13) Unobstructed Glass = window height - 4 3/4" (121)	Shoulder Height 5'-4 13/16" (1646)	6'-11 9/16" (2122)	7'-4 13/16" (2256)	8'-1 1/16" (2465)	8'-3 1/16" (2515)
	SE3155	SP4055	SE5455*	SE5855*	SE6055*
	5'-11 7/8" (1826)	7'-6 5/8" (2302)	7'-11 7/8" (2435)	8'-8 1/8" (2645)	8'-10 5/8" (2708)
	SE316	SP406*	SE546*	SE586*	

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Dimensions in parentheses are in millimeters.
- *Available only with Low-E4 impact-resistant glass.



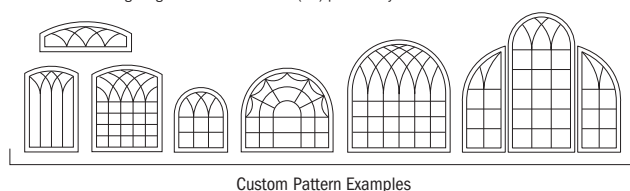
Custom-size windows are available in 1/8" (3) increments. For more information contact your Andersen supplier.

Extension jambs are available factory-applied when ordered at the same time as Springline™ windows. Details on page 191. Grille patterns shown below.

Grille Patterns

	Colonial	Renaissance	Sunburst
Arch			
Springline™			
Springline™ Flanker			

- Andersen® Finelight™ grilles available in 3/4" (19) profile only.



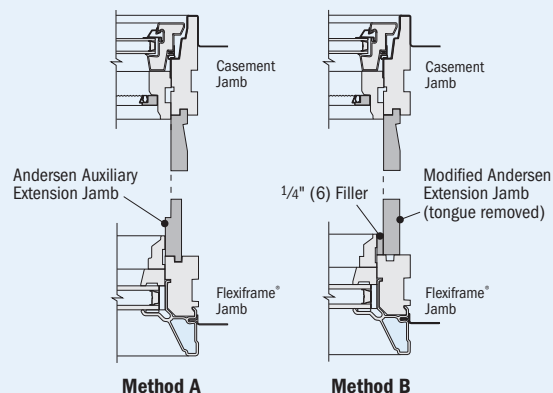
Number of lights and overall pattern varies with window size.
Patterns shown may not be available for all shapes in all sizes.

Specified equal light and custom patterns are also available. For more information on divided light see page 147.

Extension Jamb Alignment

For these joined 400 Series window combinations only:

- Arch, Springline™ or Flexiframe® over Casement
- Arch, Springline™ or Flexiframe® alongside Awning



Method A: Individually Framed Use optional Andersen auxiliary extension jambs for individual picture frame trimming.

Method B: Perimeter Framed For continuous perimeter trimming, remove tongue and use 1/4" (6) thick filler between Arch, Springline™ or Flexiframe® trim stop and extension jamb.

Table of Springline™ Flanker Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

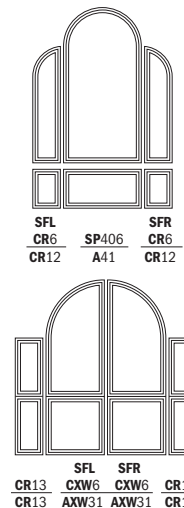
Window Dimension	1'-5"	1'-5"	1'-8 1/2"	1'-8 1/2"	2'-0 1/8"	2'-0 1/8"	2'-4 3/8"	2'-4 3/8"	2'-11 15/16"	2'-11 15/16"
	(432)	(432)	(521)	(521)	(613)	(613)	(721)	(721)	(913)	(913)
Minimum Rough Opening	1'-5 1/2"	1'-5 1/2"	1'-9"	1'-9"	2'-0 5/8"	2'-0 5/8"	2'-4 7/8"	2'-4 7/8"	3'-0 1/2"	3'-0 1/2"
	(445)	(445)	(533)	(533)	(625)	(625)	(733)	(733)	(927)	(927)
Unobstructed Glass	12 3/4"	12 3/4"	15 3/4"	15 3/4"	19 3/8"	19 3/8"	23 5/8"	23 5/8"	31 3/16"	31 3/16"
	(324)	(324)	(400)	(400)	(492)	(492)	(600)	(600)	(792)	(792)
	CR		CN		C		CW		CXW	
Radius	18 3/4" (476)		24" (610)		32 1/4" (819)		32 1/4" (819)		36" (914)	
Chord Height	18 5/8" (473)		23 11/16" (584)		31 3/16" (792)		32" (813)		36" (914)	
	C3		C35		C4		C5		C6	
	2'-11 15/16"		12 1/4"		29 3/8"		41 1/4"		53 1/4"	
	(913)		(311)		(721)		(1048)		(1353)	
	3'-0 1/2"		17 1/8"		24 5/16"		36 3/16"		48 3/16"	
	(927)		(435)		(618)		(919)		(1353)	
	31 3/16"		9 5/8"		16 13/16"		27 7/8"		39 7/8"	
	(792)		(244)		(427)		(708)		(1013)	
	38 13/16"		8 13/16"		16"		23 7/8"		35 7/8"	
	(986)		(234)		(406)		(606)		(911)	
	43 1/4"		12"		12"		23 7/8"		35 7/8"	
	(1099)		(305)		(305)		(606)		(911)	
	55 1/8"		23 7/8"		27 7/8"		23 7/8"		35 7/8"	
	(1400)		(606)		(708)		(606)		(911)	
	67 1/4"		35 7/8"		39 7/8"		35 7/8"		35 7/8"	
	(1708)		(911)		(1013)		(911)		(911)	



To order Springline™ flanker windows contact your Andersen supplier.

Custom window dimensions shown in table are compatible with standard casement window widths (**CR, CN, C, CW, CXW**) and heights (**C3, C35, C4, C5, C6**). Grille patterns shown on page 190.

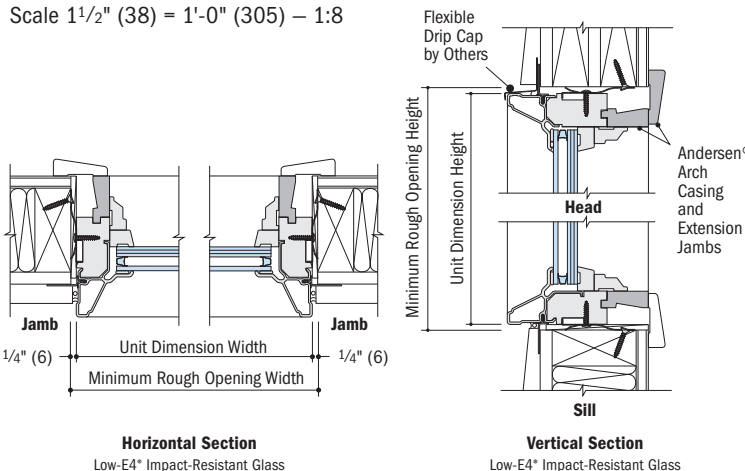
Examples:



- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Dimensions in parentheses are in millimeters.

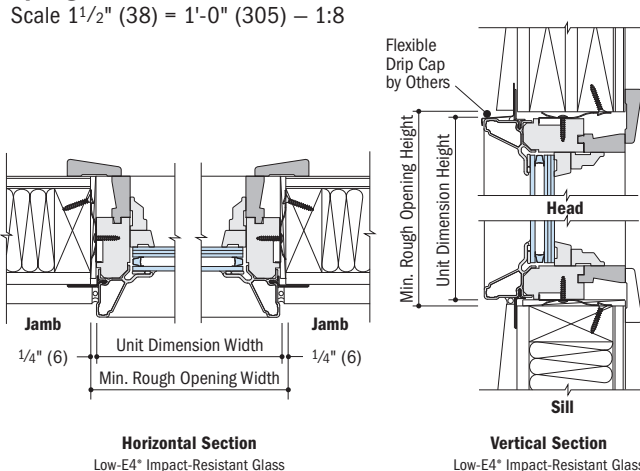
Arch Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Springline™ Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

Flexiframe® Window Shapes and Design Criteria

Minimum and Maximum Limits

Flexiframe® windows may be assembled in almost any shape or size with these limitations:

MAXIMUM GLASS AREA 50 sq. ft. or 4.65 m² glass dimension for Low-E4® Tempered Impact-Resistant Glass

MAXIMUM GLASS AREA 30 sq. ft. or 2.79 m² glass dimension for Monolithic Impact-Resistant Glass

Square footage is based on a square or rectangular shape

No angle may be less than 14°

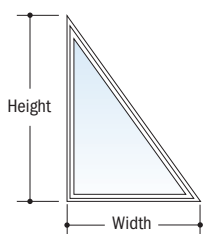
No leg may be less than 6" (152) or greater than 120" (3048) glass dimension

No short leg may be greater than 84" (2134) glass dimension

One leg must be less than 72" (1829) glass dimension

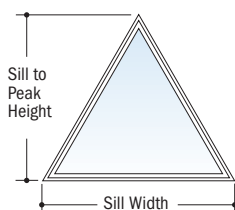
See product information below for additional limitations based on specific shapes

Triangle



Right Triangles contain one 90° corner.

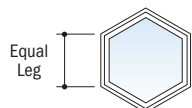
Specify length of both legs extending from the 90° corner.



Isosceles Triangles contain two sides of equal length and equal angle.

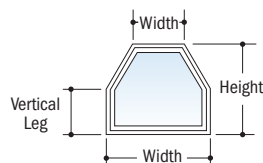
Specify length of leg at sill and window height (sill to peak).

Hexagon



Equilateral Hexagons contain six equal angles and sides.

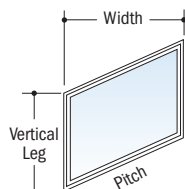
Specify length of one leg.



Unequal Hexagons contain three pairs of angles and two sets of equal length legs. Unequal leg at head of unit is parallel to and is centered over unequal leg at sill.

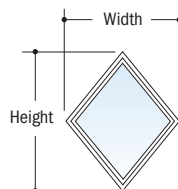
Specify width of leg at sill and head, one vertical leg and window height.

Parallelogram



Horizontal/Vertical Parallelograms contain two pairs of parallel sides.

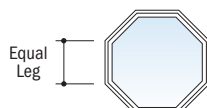
Specify length of vertical leg, window width and pitch.



Diamonds contain two pairs of parallel and equal length sides.

Specify by window width and window height.

Octagon

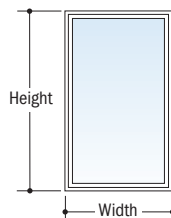
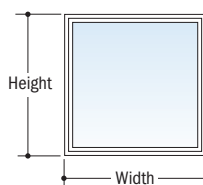


Equilateral Octagons contain eight equal angles and sides.

Specify length of one leg.

Standard octagons are available in 2' (610), 2'-4" (711) and 3' (914). See page 184.

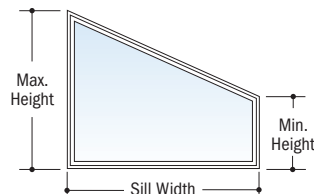
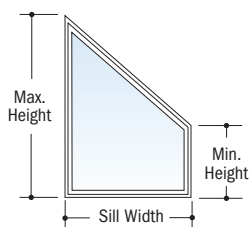
Rectangle



Rectangles contain four equal angles and either two or four equal sides. Include both squares and rectangles.

Specify window width and height.

Trapezoid

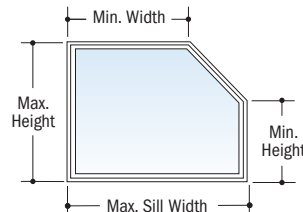


Sloped to Left or Sloped to Right contain angle face cut to left or right.

Specify window width at sill, window height, and length of short side.

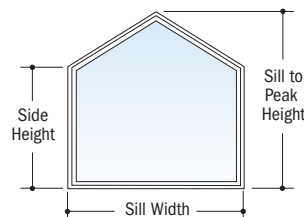
Slope is often designed to match a roof's slope.

Pentagon



Angled Pentagons contain an angle cut, or a "cut-off corner" sloping to left or right.

Specify width at head, width at sill, height on short side and height on long side.

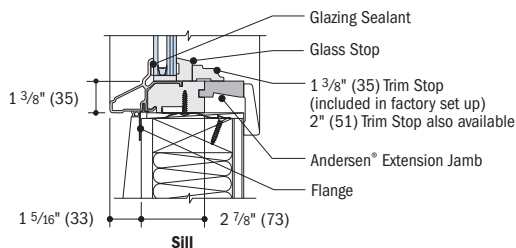


Peaked Pentagons contain sides of equal length, extending at right angles from the sill, and two angled sides, of equal length, that peak above center of sill.

Specify window width at sill, height of one vertical leg, and window height from sill to peak.

Flexiframe® Window Detail

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Horizontal Section

Low-E4® Impact-Resistant Glass

For joining information see the combination designs section starting on page 193.

- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Dimensions in parentheses are in millimeters.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

Andersen® windows and patio doors make it easy to create a wide variety of combination designs.

Combination Types

Ribbon Combinations

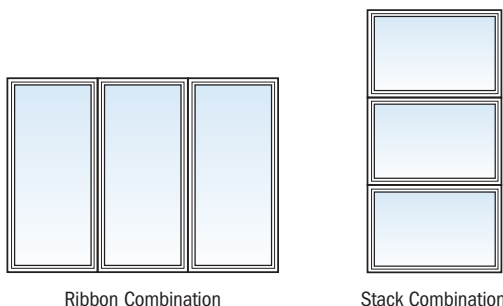
Ribbons are horizontal window combinations (vertical joins) where opposite ends (head and sill) of individual windows are fastened to the building structure.

Stack Combinations

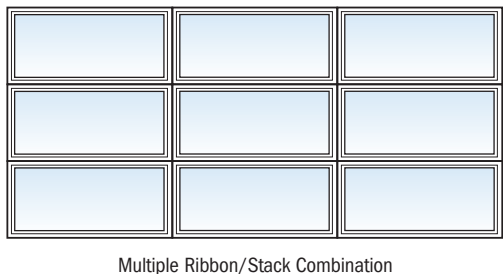
Stacks are vertical window combinations (horizontal joins) where opposite sides (both side jambs) of individual windows are fastened to the building structure.

Two basic configurations are used in combination designs; 1-way configurations or 2-way configurations.

1-Way



2-Way



2-way combinations exist when multiple vertical stacks and horizontal ribbons are joined together. Unlike 1-way combinations, the opposite ends/sides (head and sill, or both side jambs) of individual units are not necessarily fastened directly to the building structure. 2-way combinations are joined with both vertical and horizontal joining material and may require reinforced joining materials depending on the local building code requirement for design wind load (measured in pounds per square foot, PSF).

Determining Design Wind Load Performance

Proper combination design in conformance with local wind load requirements is vital to the success of your project. To make sure a combination is safe and that it complies with local building codes, the combination design wind load performance capacity must be determined.

Correctly determining this performance capacity involves the following three steps:

STEP 1

Determine Building Code Requirement

Make sure that you have the proper local codes and have identified specified compliance values. This calculated value (PSF) will be used to determine if the combination will be acceptable (STEP 3).



STEP 2

Determine Product Performance

Compare product Performance Grade Rating data to the local building code (PSF) requirement. This will show whether the individual units in a combination design are acceptable.

Performance Grade Ratings replaces Design Pressure Ratings for measuring product performance. See page 203 for further information.



STEP 3

Determine Combination Performance

This step helps determine whether a given product, size, configuration and joining material type will meet the local building code design wind load requirement. To determine what joining material type to use (wood, clips, LVL, steel or aluminum), compare the local building code design wind load requirement to the Design Wind Load Table value for a particular joining material on the following pages.

Andersen® Joining Materials and Installation Accessories

For a successful installation, designed to provide the required design pressure, it is important that Andersen joining materials and installation accessories be specified by a project architect or contractor. Andersen offers several types of joining materials. Each creates a joining system that maintains the look of Andersen® products. Choose the type appropriate for your combination design.

The addition of joining materials will affect the overall rough opening dimension. **Read and follow instruction guides in their entirety. Instruction guides are available from your Andersen supplier or by visiting andersenwindows.com.**

Components used with each joining system will vary depending on products being joined. Check with your Andersen supplier for more information.

Andersen Exterior Trim Strips - A variety of trim strips for finishing the join between joined products are available in colors to match Andersen windows and doors.

Andersen Interior Wood Casing - Available in several wood types, pre-finished options, sizes and style options including laminated arch casings, decorative plinth and key blocks.

Reinforced Joining Materials

Materials vary depending on wind load requirements. The structural performance of any combination is only as high as the lowest structural performance rating of any individual window or material in the combination. Reinforced joining materials are used to create product alignment, positive joining and load transfer between the Andersen windows and doors and the rough opening. They provide added strength capable of withstanding a variety of wind load pressures. See joining instructions for specific joining and anchoring components.

Laminated Veneer Lumber (LVL) Joining - LVL joining material is available for A-Series windows and patio doors and 400 Series windows. Both 4 ⁹/₁₆" (116) x ³/₄" (19) LVL and 6 ⁹/₁₆" (167) x ³/₄" (19) LVL are available and include an aluminum exterior trim retainer. LVL materials are available in a variety of lengths up to 10' (3048).

Steel Joining - Steel joining material is available for 400 Series windows in 8'-0 ¹/₄" (2445), 9'-6" (2896) and 12'-6" (3810) lengths. Treated for corrosion resistance, the 4" (102) width material provides strength and rigidity. Adjacent windows attach to the steel joining with screws provided in the kit.

Aluminum Joining - Aluminum joining material is available for 400 Series windows in 6'-0 ³/₃₂" (1831) and 7'-8" (2337) lengths. High-quality aluminum provides increased stiffness and is anodized for corrosion resistance. Aluminum joining stays within the basic jamb of the window so interior casing can be used without extension jambs. Adjacent windows attach to aluminum joining with screws provided in the kit.

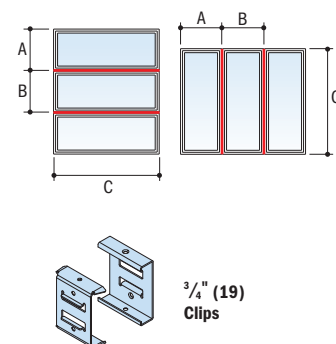
Non-Reinforced Joining Materials

Materials vary depending on type of windows being joined and wind load requirements. Narrow joining materials are used to create alignment and positive joining between windows. Joining materials are not connected to the rough opening structure. Joining material is contained within the basic jambs so Andersen interior casing can be applied without the use of extension jambs. See joining instructions for specific joining and anchoring components.

1-Way Clip Joining

A-Series: Casement, Awning, Double-Hung, Picture, Transom and Specialty Windows

Average Adjacent Window Dimension	(A + B) ÷ 2 = 10'-0" (3048)	63	42	32			
	(A + B) ÷ 2 = 9'-6" (2896)	63	42	32			
	(A + B) ÷ 2 = 9'-0" (2743)	63	42	32			
	(A + B) ÷ 2 = 8'-6" (2591)	63	42	32			
	(A + B) ÷ 2 = 8'-0" (2438)	63	42	32			
	(A + B) ÷ 2 = 7'-6" (2286)	63	42	32			
	(A + B) ÷ 2 = 7'-0" (2134)	63	42	32			
	(A + B) ÷ 2 = 6'-6" (1981)	63	42	32			
	(A + B) ÷ 2 = 6'-0" (1829)	63	42	32			
	(A + B) ÷ 2 = 5'-6" (1676)	63	42	33			
	(A + B) ÷ 2 = 5'-0" (1524)	63	43	34			
	(A + B) ÷ 2 = 4'-6" (1372)	65	45	35			
	(A + B) ÷ 2 = 4'-0" (1219)	67	47	37			
	(A + B) ÷ 2 = 3'-6" (1067)	70	51	41	31		
	(A + B) ÷ 2 = 3'-0" (914)	70	55	44	33		
	(A + B) ÷ 2 = 2'-6" (762)	70	64	52	39	33	
	(A + B) ÷ 2 = 2'-0" (610)	70	70	60	45	38	30
	(A + B) ÷ 2 = 1'-6" (457)	70	70	70	60	50	40
C = (length of join)		5'-6" (1676)	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)
							8'-6" (2591)

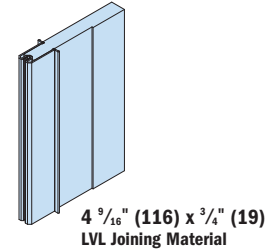
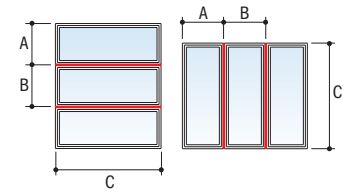


- Numerical values in charts represent structural pressure only.
- Dimensions in parentheses are in millimeters.
- Structural performance of any combination is only as high as the lowest structural performance of any individual unit or joining material in the combination.
- Andersen® products must be installed and anchored properly according to joining and installation guides to meet rated structural performance. Refer to product joining and installation guides at andersenwindows.com.

1-Way LVL Joining

A-Series: Casement, Awning, Double-Hung, Picture, Transom and Specialty Windows

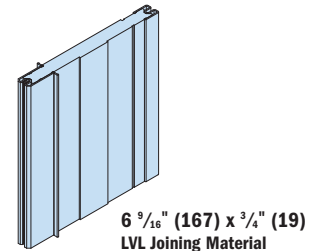
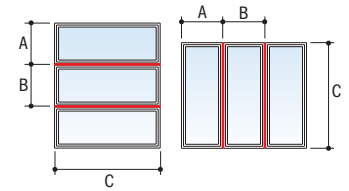
4 ⁹ / ₁₆ " (116) LVL	Average Adjacent Window Dimension	(A + B) ÷ 2 = 10'-0" (3048)	70	70	70	55	44				
		(A + B) ÷ 2 = 9'-6" (2896)	70	70	70	55	44				
		(A + B) ÷ 2 = 9'-0" (2743)	70	70	70	55	44				
		(A + B) ÷ 2 = 8'-6" (2591)	70	70	70	55	44				
		(A + B) ÷ 2 = 8'-0" (2438)	70	70	70	55	44				
		(A + B) ÷ 2 = 7'-6" (2286)	70	70	70	55	44				
		(A + B) ÷ 2 = 7'-0" (2134)	70	70	70	55	44				
		(A + B) ÷ 2 = 6'-6" (1981)	70	70	70	56	45				
		(A + B) ÷ 2 = 6'-0" (1829)	70	70	70	56	45				
		(A + B) ÷ 2 = 5'-6" (1676)	70	70	70	58	47				
		(A + B) ÷ 2 = 5'-0" (1524)	70	70	70	60	49				
		(A + B) ÷ 2 = 4'-6" (1372)	70	70	70	64	52	40			
		(A + B) ÷ 2 = 4'-0" (1219)	70	70	70	67	55	43			
		(A + B) ÷ 2 = 3'-6" (1067)	70	70	70	70	61	48	41		
		(A + B) ÷ 2 = 3'-0" (914)	70	70	70	70	67	53	45		
		(A + B) ÷ 2 = 2'-6" (762)	70	70	70	70	70	62	53	43	
		(A + B) ÷ 2 = 2'-0" (610)	70	70	70	70	70	70	62	50	44
		(A + B) ÷ 2 = 1'-6" (457)	70	70	70	70	70	70	70	67	59
		C = (length of join)		5'-6" (1676)	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	8'-6" (2591)	9'-0" (2743)



1-Way LVL Joining

A-Series: Casement, Awning, Double-Hung, Picture, Transom and Specialty Windows

6 ⁹ / ₁₆ " (167) LVL	Average Adjacent Window Dimension	(A + B) ÷ 2 = 10'-0" (3048)	70	70	70	70	66	54	42			
		(A + B) ÷ 2 = 9'-6" (2896)	70	70	70	70	70	66	54	42		
		(A + B) ÷ 2 = 9'-0" (2743)	70	70	70	70	70	66	54	42		
		(A + B) ÷ 2 = 8'-6" (2591)	70	70	70	70	70	66	54	42		
		(A + B) ÷ 2 = 8'-0" (2438)	70	70	70	70	70	66	54	42		
		(A + B) ÷ 2 = 7'-6" (2286)	70	70	70	70	70	67	55	43		
		(A + B) ÷ 2 = 7'-0" (2134)	70	70	70	70	70	67	56	44		
		(A + B) ÷ 2 = 6'-6" (1981)	70	70	70	70	70	69	57	45		
		(A + B) ÷ 2 = 6'-0" (1829)	70	70	70	70	70	70	59	47	40	
		(A + B) ÷ 2 = 5'-6" (1676)	70	70	70	70	70	70	62	49	42	
		(A + B) ÷ 2 = 5'-0" (1524)	70	70	70	70	70	70	65	52	44	
		(A + B) ÷ 2 = 4'-6" (1372)	70	70	70	70	70	70	70	56	48	40
		(A + B) ÷ 2 = 4'-0" (1219)	70	70	70	70	70	70	70	60	52	42
		(A + B) ÷ 2 = 3'-6" (1067)	70	70	70	70	70	70	70	67	58	48
		(A + B) ÷ 2 = 3'-0" (914)	70	70	70	70	70	70	70	70	64	53
		(A + B) ÷ 2 = 2'-6" (762)	70	70	70	70	70	70	70	70	70	63
		(A + B) ÷ 2 = 2'-0" (610)	70	70	70	70	70	70	70	70	70	70
		(A + B) ÷ 2 = 1'-6" (457)	70	70	70	70	70	70	70	70	70	70
		C = (length of join)		5'-6" (1676)	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	8'-6" (2591)	9'-0" (2743)	9'-6" (2896)

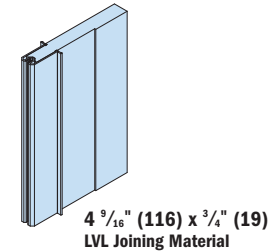
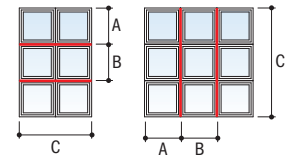


- Numerical values in charts represent structural pressure only.
- Dimensions in parentheses are in millimeters.
- Structural performance of any combination is only as high as the lowest structural performance of any individual unit or joining material in the combination.
- Andersen® products must be installed and anchored properly according to joining and installation guides to meet rated structural performance. Refer to product joining and installation guides at andersenwindows.com.

2-Way LVL Joining

A-Series: Casement, Awning, Double-Hung, Picture, Transom and Specialty Windows

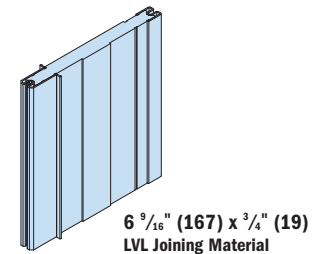
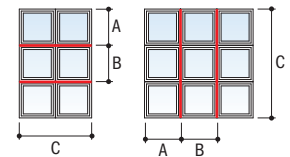
4 ⁹/₁₆" (116) LVL	Average Adjacent Window Dimension	(A + B) ÷ 2 = 6'-6" (1981)	42									
		(A + B) ÷ 2 = 6'-0" (1829)	45									
		(A + B) ÷ 2 = 5'-6" (1676)	50									
		(A + B) ÷ 2 = 5'-0" (1524)	54	40								
		(A + B) ÷ 2 = 4'-6" (1372)	61	45								
		(A + B) ÷ 2 = 4'-0" (1219)	67	49	40							
		(A + B) ÷ 2 = 3'-6" (1067)	70	58	47							
		(A + B) ÷ 2 = 3'-0" (914)	70	65	54	41						
		(A + B) ÷ 2 = 2'-6" (762)	70	70	66	51	43					
		(A + B) ÷ 2 = 2'-0" (610)	70	70	70	61	52	41				
		(A + B) ÷ 2 = 1'-6" (457)	70	70	70	70	70	57	49	40		
		C = (length of join)	5'-6" (1676)	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	8'-6" (2591)	9'-0" (2743)		



2-Way LVL Joining

A-Series: Casement, Awning, Double-Hung, Picture, Transom and Specialty Windows

6 ⁹/₁₆" (167) LVL	Average Adjacent Window Dimension	(A + B) ÷ 2 = 10'-0" (3048)	69	49	40														
		(A + B) ÷ 2 = 9'-6" (2896)	70	52	42														
		(A + B) ÷ 2 = 9'-0" (2743)	70	54	44														
		(A + B) ÷ 2 = 8'-6" (2591)	70	58	47														
		(A + B) ÷ 2 = 8'-0" (2438)	70	61	50														
		(A + B) ÷ 2 = 7'-6" (2286)	70	65	54	41													
		(A + B) ÷ 2 = 7'-0" (2134)	70	69	57	44													
		(A + B) ÷ 2 = 6'-6" (1981)	70	70	62	48	40												
		(A + B) ÷ 2 = 6'-0" (1829)	70	70	66	51	43												
		(A + B) ÷ 2 = 5'-6" (1676)	70	70	70	56	48												
		(A + B) ÷ 2 = 5'-0" (1524)	70	70	70	61	51	41											
		(A + B) ÷ 2 = 4'-6" (1372)	70	70	70	69	58	46	40										
		(A + B) ÷ 2 = 4'-0" (1219)	70	70	70	70	64	51	44										
		(A + B) ÷ 2 = 3'-6" (1067)	70	70	70	70	70	59	51	42									
		(A + B) ÷ 2 = 3'-0" (914)	70	70	70	70	70	67	58	48	42								
		(A + B) ÷ 2 = 2'-6" (762)	70	70	70	70	70	80	71	59	51	43							
		(A + B) ÷ 2 = 2'-0" (610)	70	70	70	70	70	80	80	70	62	52							
		(A + B) ÷ 2 = 1'-6" (457)	70	70	70	70	70	80	80	80	70	70							
		C = (length of join)	5'-6" (1676)	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	8'-6" (2591)	9'-0" (2743)	9'-6" (2896)	10'-0" (3048)							

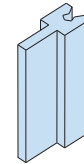
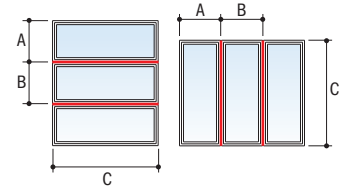


- Numerical values in charts represent structural pressure only.
- Dimensions in parentheses are in millimeters.
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- Andersen® products must be installed and anchored properly according to joining and installation guides to meet rated structural performance. Refer to product joining and installation guides at andersenwindows.com.

1-Way Wood Joining

400 Series: PG Upgrade Casement, Awning and Flexiframe® Windows

Average Adjacent Window Dimension	(A + B) ÷ 2 = 12'-6" (3810)	70	60	43				
	(A + B) ÷ 2 = 12'-0" (3658)	70	60	43				
	(A + B) ÷ 2 = 11'-6" (3505)	70	60	43				
	(A + B) ÷ 2 = 11'-0" (3353)	70	60	43				
	(A + B) ÷ 2 = 10'-6" (3200)	70	60	43				
	(A + B) ÷ 2 = 10'-0" (3048)	70	60	43				
	(A + B) ÷ 2 = 9'-6" (2896)	70	60	43				
	(A + B) ÷ 2 = 9'-0" (2743)	70	60	43				
	(A + B) ÷ 2 = 8'-6" (2591)	70	60	43				
	(A + B) ÷ 2 = 8'-0" (2438)	70	60	43				
	(A + B) ÷ 2 = 7'-6" (2286)	70	60	43				
	(A + B) ÷ 2 = 7'-0" (2134)	70	60	43				
	(A + B) ÷ 2 = 6'-6" (1981)	70	60	43				
	(A + B) ÷ 2 = 6'-0" (1829)	70	60	43				
	(A + B) ÷ 2 = 5'-6" (1676)	70	60	43				
	(A + B) ÷ 2 = 5'-0" (1524)	70	60	43				
	(A + B) ÷ 2 = 4'-6" (1372)	70	60	43				
	(A + B) ÷ 2 = 4'-0" (1219)	70	60	44				
	(A + B) ÷ 2 = 3'-6" (1067)	70	62	46				
	(A + B) ÷ 2 = 3'-0" (914)	70	67	50	40			
	(A + B) ÷ 2 = 2'-6" (762)	70	70	57	45			
	(A + B) ÷ 2 = 2'-0" (610)	70	70	69	55	45		
	(A + B) ÷ 2 = 1'-6" (457)	70	70	70	70	59	49	40
C = (length of join)		3'-6" (1067)	4'-0" (1219)	4'-6" (1372)	5'-0" (1524)	5'-6" (1676)	6'-0" (1829)	6'-6" (1981)



PG Upgrade Only
Wood Joining Material

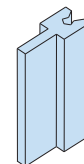
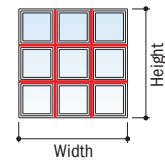
Note: Stacking of windows is allowed to a maximum height of 12'-6" (3810). Contact your Andersen supplier for information about taller combination heights.

Combination
Designs & Product
Performance

2-Way Wood Joining

400 Series: PG Upgrade Casement, Awning and Flexiframe® Windows

Average Adjacent Window Dimension	(A + B) ÷ 2 = 7'-0" (2134)	41						
	(A + B) ÷ 2 = 6'-6" (1981)	45						
	(A + B) ÷ 2 = 6'-0" (1829)	48						
	(A + B) ÷ 2 = 5'-6" (1676)	53						
	(A + B) ÷ 2 = 5'-0" (1524)	58	42					
	(A + B) ÷ 2 = 4'-6" (1372)	64	47					
	(A + B) ÷ 2 = 4'-0" (1219)	70	53	41				
	(A + B) ÷ 2 = 3'-6" (1067)	70	60	46				
	(A + B) ÷ 2 = 3'-0" (914)	70	70	54	43			
	(A + B) ÷ 2 = 2'-6" (762)	70	70	65	52	42		
	(A + B) ÷ 2 = 2'-0" (610)	70	70	70	64	52	43	
	(A + B) ÷ 2 = 1'-6" (457)	70	70	70	70	70	57	48
								41
	C = (length of join)	3'-0" (914)	3'-6" (1067)	4'-0" (1219)	4'-6" (1372)	5'-0" (1524)	5'-6" (1676)	6'-0" (1829)



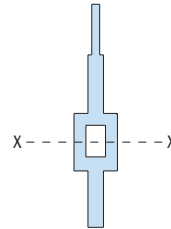
PG Upgrade Only
Wood Joining Material

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1-Way or 2-Way Aluminum Joining

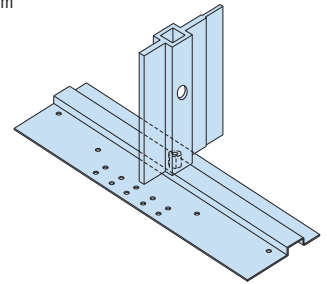
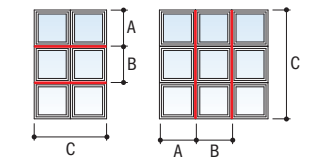
400 Series: Casement, Awning and Flexiframe® Windows

Average Adjacent Window Dimension	$(A+B) \div 2 = 9'-0"$ (2743)	70	56	41														
	$(A+B) \div 2 = 8'-6"$ (2591)	70	60	43														
	$(A+B) \div 2 = 8'-0"$ (2438)	70	63	46														
	$(A+B) \div 2 = 7'-6"$ (2286)	70	67	49														
	$(A+B) \div 2 = 7'-0"$ (2134)	70	70	52														
	$(A+B) \div 2 = 6'-6"$ (1981)	70	70	56	42													
	$(A+B) \div 2 = 6'-0"$ (1829)	70	70	60	45													
	$(A+B) \div 2 = 5'-6"$ (1676)	70	70	66	49													
	$(A+B) \div 2 = 5'-0"$ (1524)	70	70	70	54	41												
	$(A+B) \div 2 = 4'-6"$ (1372)	70	70	70	59	45												
	$(A+B) \div 2 = 4'-0"$ (1219)	70	70	70	66	50												
	$(A+B) \div 2 = 3'-6"$ (1067)	70	70	70	70	57	44											
	$(A+B) \div 2 = 3'-0"$ (914)	70	70	70	70	65	51	40										
	$(A+B) \div 2 = 2'-6"$ (762)	70	70	70	70	70	60	48										
	$(A+B) \div 2 = 2'-0"$ (610)	70	70	70	70	70	70	59	48									
	$(A+B) \div 2 = 1'-6"$ (457)	70	70	70	70	70	70	70	63									
	C = (length of join)	4'-0" (1219)	4'-6" (1372)	5'-0" (1524)	5'-6" (1676)	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)									



Aluminum Joining Material

$E = 10 \times 10^6$ psi, I (AXIS $x-x$) = .59 in⁴
6061-T6 Aluminum



For a join with a continuous jamb on one side, multiply PSF by 1.2.

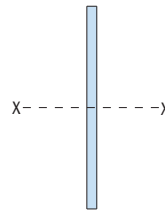


For a join with a continuous jamb on both sides, multiply PSF by 1.4.

1-Way or 2-Way Steel Joining

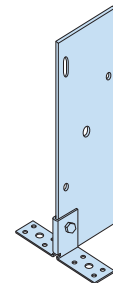
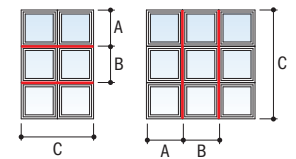
400 Series: Casement, Awning and Flexiframe® Windows

Average Adjacent Window Dimension	$(A+B) \div 2 = 12'-6"$ (3810)	50																
	$(A+B) \div 2 = 12'-0"$ (3658)	52																
	$(A+B) \div 2 = 11'-6"$ (3505)	54	40															
	$(A+B) \div 2 = 11'-0"$ (3353)	57	42															
	$(A+B) \div 2 = 10'-6"$ (3200)	59	44															
	$(A+B) \div 2 = 10'-0"$ (3048)	62	46															
	$(A+B) \div 2 = 9'-6"$ (2896)	66	48															
	$(A+B) \div 2 = 9'-0"$ (2743)	69	51															
	$(A+B) \div 2 = 8'-6"$ (2591)	70	54	41														
	$(A+B) \div 2 = 8'-0"$ (2438)	70	57	44														
	$(A+B) \div 2 = 7'-6"$ (2286)	70	61	47														
	$(A+B) \div 2 = 7'-0"$ (2134)	70	66	50	40													
	$(A+B) \div 2 = 6'-6"$ (1981)	70	70	54	43													
	$(A+B) \div 2 = 6'-0"$ (1829)	70	70	58	46													
	$(A+B) \div 2 = 5'-6"$ (1676)	70	70	64	50	41												
	$(A+B) \div 2 = 5'-0"$ (1524)	70	70	70	55	45												
	$(A+B) \div 2 = 4'-6"$ (1372)	70	70	70	62	50	41											
	$(A+B) \div 2 = 4'-0"$ (1219)	70	70	70	69	56	46											
	$(A+B) \div 2 = 3'-6"$ (1067)	70	70	70	70	64	53	45										
	$(A+B) \div 2 = 3'-0"$ (914)	70	70	70	70	70	62	52	44									
	$(A+B) \div 2 = 2'-6"$ (762)	70	70	70	70	70	70	62	53	46	40							
	$(A+B) \div 2 = 2'-0"$ (610)	70	70	70	70	70	70	70	66	57	50	44						
	$(A+B) \div 2 = 1'-6"$ (457)	70	70	70	70	70	70	70	70	70	66	58	52	46	42			
	C = (length of join)	3'-0" (914)	3'-6" (1067)	4'-0" (1219)	4'-6" (1372)	5'-0" (1524)	5'-6" (1676)	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	8'-6" (2591)	9'-0" (2743)	9'-6" (2896)			



4" (102) x 3/16" (5) Steel Joining Material

$E = 29 \times 10^6$ psi, I (AXIS $x-x$) = 1.0 in⁴
A36 hot rolled steel



For a join with a continuous jamb on one side, multiply PSF by 1.2.



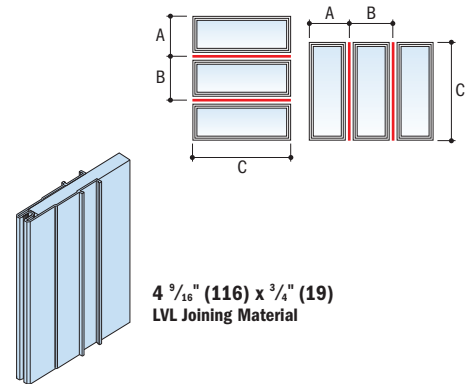
For a join with a continuous jamb on both sides, multiply PSF by 1.4.

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1-Way LVL Joining

400 Series: Casement, Awning and Flexiframe® Windows

Average Adjacent Window Dimension	$(A + B) \div 2 = 6'-0"$ (1829)	82	70
	$(A + B) \div 2 = 5'-6"$ (1676)	82	71
	$(A + B) \div 2 = 5'-0"$ (1524)	82	72
	$(A + B) \div 2 = 4'-6"$ (1372)	82	75
	$(A + B) \div 2 = 4'-0"$ (1219)	82	79
	$(A + B) \div 2 = 3'-6"$ (1067)	82	82
	$(A + B) \div 2 = 3'-0"$ (914)	82	82
	$(A + B) \div 2 = 2'-6"$ (762)	82	82
	$(A + B) \div 2 = 2'-0"$ (610)	82	82
	$(A + B) \div 2 = 1'-6"$ (457)	82	82
C = (length of join)		5'-6" (1676) or less	6'-0" (1829)

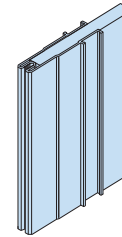


**4 9/16" (116) x 3/4" (19)
LVL Joining Material**

2-Way LVL Joining

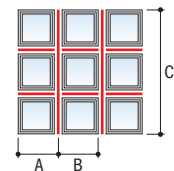
400 Series: Casement, Awning and Flexiframe® Windows

4 9/16" (116) LVL	Average Adjacent Window Dim.	$(A + B) \div 2 = 6'-0"$ (1829)	65	51	41				
		$(A + B) \div 2 = 5'-6"$ (1676)	70	56	45				
		$(A + B) \div 2 = 5'-0"$ (1524)	70	62	50	41			
		$(A + B) \div 2 = 4'-6"$ (1372)	70	68	55	46			
		$(A + B) \div 2 = 4'-0"$ (1219)	70	70	62	51	43		
		$(A + B) \div 2 = 3'-6"$ (1067)	70	70	70	59	49	42	
		$(A + B) \div 2 = 3'-0"$ (914)	70	70	70	69	58	49	42
		$(A + B) \div 2 = 2'-6"$ (762)	70	70	70	69	59	51	
		C = (length of join)	4'-0" (1219) or less	4'-6" (1372)	5'-0" (1524)	5'-6" (1676)	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)

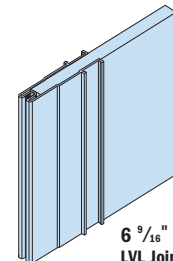


**4 9/16" (116) x 3/4" (19)
LVL Joining Material**

6 9/16" (167) LVL	Average Adjacent Window Dimension	$(A + B) \div 2 = 10'-0"$ (3048)	82	75	63	56	48	44		
		$(A + B) \div 2 = 9'-6"$ (2896)	82	75	63	56	48	44		
		$(A + B) \div 2 = 9'-0"$ (2743)	82	75	63	56	48	44		
		$(A + B) \div 2 = 8'-6"$ (2591)	82	75	63	56	48	44		
		$(A + B) \div 2 = 8'-0"$ (2438)	82	75	63	56	48	44		
		$(A + B) \div 2 = 7'-6"$ (2286)	82	75	63	56	48	44		
		$(A + B) \div 2 = 7'-0"$ (2134)	82	75	63	56	49	45		
		$(A + B) \div 2 = 6'-6"$ (1981)	82	75	63	57	50	46	40	
		$(A + B) \div 2 = 6'-0"$ (1829)	82	75	64	58	51	47	41	
		$(A + B) \div 2 = 5'-6"$ (1676)	82	77	66	60	54	50	44	
		$(A + B) \div 2 = 5'-0"$ (1524)	82	79	68	63	56	52	46	
		$(A + B) \div 2 = 4'-6"$ (1372)	82	82	73	67	60	56	50	43
		$(A + B) \div 2 = 4'-0"$ (1219)	82	82	77	71	64	60	53	46
		$(A + B) \div 2 = 3'-6"$ (1067)	82	82	82	79	71	67	60	52
		$(A + B) \div 2 = 3'-0"$ (914)	82	82	82	82	78	74	66	57
		$(A + B) \div 2 = 2'-6"$ (762)	82	82	82	82	82	78	68	56
		$(A + B) \div 2 = 2'-0"$ (610)	82	82	82	82	82	82	79	66
		$(A + B) \div 2 = 1'-6"$ (457)	82	82	82	82	82	82	82	82
		C = (length of join)	6'-0" (1829) or less	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	8'-6" (2591)	9'-0" (2743)	9'-6" (2896)
									10'-0" (3048)	



2-way joining must be assembled on the jobsite within the rough opening.



**6 9/16" (167) x 3/4" (19)
LVL Joining Material**

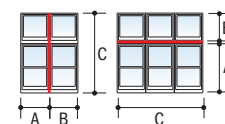
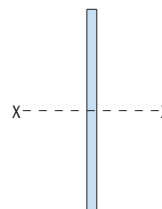
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1-Way or 2-Way Steel Joining

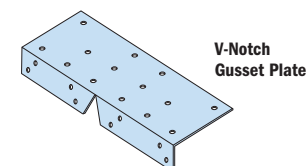
400 Series: Tilt-Wash Double-Hung Windows

Average Adjacent Window Dimension	(A + B) ÷ 2 = 7'-6" (2286)	43	36	30						
	(A + B) ÷ 2 = 7'-0" (2134)	45	38	33						
	(A + B) ÷ 2 = 6'-6" (1981)	49	40	35	30					
	(A + B) ÷ 2 = 6'-0" (1829)	50	45	38	30					
	(A + B) ÷ 2 = 5'-6" (1676)	50	49	42	35	30				
	(A + B) ÷ 2 = 5'-0" (1524)	50	50	45	39	34	30			
	(A + B) ÷ 2 = 4'-6" (1372)	50	50	50	44	38	33			
	(A + B) ÷ 2 = 4'-0" (1219)	50	50	50	49	40	37	30		
	(A + B) ÷ 2 = 3'-6" (1067)	50	50	50	50	49	40	34		
	(A + B) ÷ 2 = 3'-0" (914)	50	50	50	50	50	48	39	33	
	(A + B) ÷ 2 = 2'-6" (762)	50	50	50	50	50	50	47	39	33
	(A + B) ÷ 2 = 2'-0" (610)	50	50	50	50	50	50	50	49	41
C = (length of join)		5'-6" (1676) or less	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	8'-6" (2591)	9'-0" (2743)	9'-6" (2896)

4" (102) x 3/16" (5) Steel Joining Material
E = 29 x 10⁶ psi, I (AXIS x - x) = 1.0 in⁴
A36 hot rolled steel



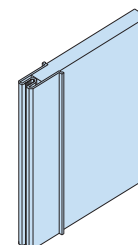
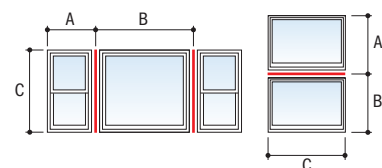
This table shows value up to 50 PSF to accommodate combinations of PG Upgrade windows. The rating of a combination cannot exceed the lowest rating of the individual windows used.



1-Way LVL Joining

400 Series: Tilt-Wash Double-Hung, Picture and Transom Windows

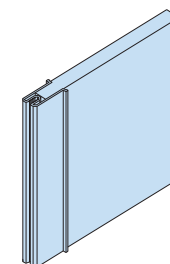
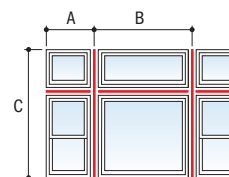
4 9/16" (116) LVL	Average Adjacent Window Dimension	(A + B) ÷ 2 = 6'-0" (1829)	82	70	62	50	40			
		(A + B) ÷ 2 = 5'-6" (1676)	82	71	63	51	42			
		(A + B) ÷ 2 = 5'-0" (1524)	82	72	64	53	43			
		(A + B) ÷ 2 = 4'-6" (1372)	82	75	68	56	46			
		(A + B) ÷ 2 = 4'-0" (1219)	82	79	71	59	49			
		(A + B) ÷ 2 = 3'-6" (1067)	82	82	78	65	54	44		
		(A + B) ÷ 2 = 3'-0" (914)	82	82	82	72	59	48		
		(A + B) ÷ 2 = 2'-6" (762)	82	82	82	82	70	57		
		(A + B) ÷ 2 = 2'-0" (610)	82	82	82	82	81	66		
		(A + B) ÷ 2 = 1'-6" (457)	82	82	82	82	82	82		
		(A + B) ÷ 2 = 1'-0" (457)	82	82	82	82	82	82		
		C = (length of join)	5'-6" (1676) or less	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)		



**4 9/16" (116) x 3/4" (19)
LVL Joining Material**

6 9/16" (167) LVL	Average Adjacent Window Dimension	(A + B) ÷ 2 = 10'-0" (3048)	82	75	63	56	48	44			
		(A + B) ÷ 2 = 9'-6" (2896)	82	75	63	56	48	44			
		(A + B) ÷ 2 = 9'-0" (2743)	82	75	63	56	48	44			
		(A + B) ÷ 2 = 8'-6" (2591)	82	75	63	56	48	44			
		(A + B) ÷ 2 = 8'-0" (2438)	82	75	63	56	48	44			
		(A + B) ÷ 2 = 7'-6" (2286)	82	75	63	56	48	44			
		(A + B) ÷ 2 = 7'-0" (2134)	82	75	63	56	49	45			
		(A + B) ÷ 2 = 6'-6" (1981)	82	75	63	57	50	46	40		
		(A + B) ÷ 2 = 6'-0" (1829)	82	75	64	58	51	47	41		
		(A + B) ÷ 2 = 5'-6" (1676)	82	77	66	60	54	50	44		
		(A + B) ÷ 2 = 5'-0" (1524)	82	79	68	63	56	52	46		
		(A + B) ÷ 2 = 4'-6" (1372)	82	82	73	67	60	56	50	43	
		(A + B) ÷ 2 = 4'-0" (1219)	82	82	77	71	64	60	53	46	
		(A + B) ÷ 2 = 3'-6" (1067)	82	82	82	79	71	67	60	52	42
		(A + B) ÷ 2 = 3'-0" (914)	82	82	82	82	78	74	66	57	47
		(A + B) ÷ 2 = 2'-6" (762)	82	82	82	82	82	82	78	68	56
		(A + B) ÷ 2 = 2'-0" (610)	82	82	82	82	82	82	82	79	66
		(A + B) ÷ 2 = 1'-6" (457)	82	82	82	82	82	82	82	82	82
		C = (length of join)	6'-0" (1829) or less	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	8'-6" (2591)	9'-0" (2743)	9'-6" (2896)	10'-0" (3048)

Note: 2-way joining must be assembled on the jobsite within the rough opening. When creating 2-way combinations 6 9/16" (167) minimum wall thickness, 6 9/16" (167) LVL joining material is required.



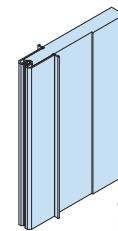
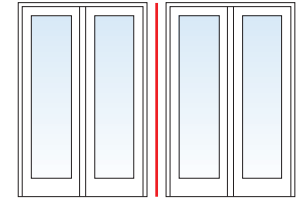
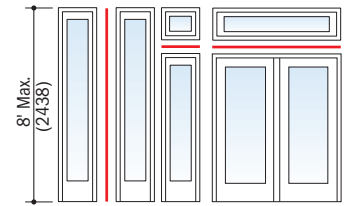
**6 9/16" (167) x 3/4" (19)
LVL Joining Material**

- Numerical values in charts represent structural pressure only.
- Dimensions in parentheses are in millimeters.
- Structural performance of any combination is only as high as the lowest structural performance of any individual unit or joining material in the combination.
- Andersen® products must be installed and anchored properly according to joining and installation guides to meet rated structural performance. Refer to product joining and installation guides at andersenwindows.com.

1-Way LVL Joining

A-Series Frenchwood® Patio Doors: Gliding, Hinged Inswing, Hinged Outswing, Transoms and Sidelights

4 ⁹ / ₁₆ " (116) LVL	Average Adjacent Door/Transom/Sidelight Dimension	(A + B) ÷ 2 = 10'-0" (3048)	80	80	80	80	75	56	46				
		(A + B) ÷ 2 = 9'-6" (2896)	80	80	80	80	75	56	46				
		(A + B) ÷ 2 = 9'-0" (2743)	80	80	80	80	75	56	46				
		(A + B) ÷ 2 = 8'-6" (2591)	80	80	80	80	75	56	46				
		(A + B) ÷ 2 = 8'-0" (2438)	80	80	80	80	75	56	46				
		(A + B) ÷ 2 = 7'-6" (2286)	80	80	80	80	75	56	46				
		(A + B) ÷ 2 = 7'-0" (2134)	80	80	80	80	76	57	47				
		(A + B) ÷ 2 = 6'-6" (1981)	80	80	80	80	77	58	48				
		(A + B) ÷ 2 = 6'-0" (1829)	80	80	80	80	78	60	50				
		(A + B) ÷ 2 = 5'-6" (1676)	80	80	80	80	80	62	52	42			
		(A + B) ÷ 2 = 5'-0" (1524)	80	80	80	80	80	65	55	43			
		(A + B) ÷ 2 = 4'-6" (1372)	80	80	80	80	80	70	59	47	41		
		(A + B) ÷ 2 = 4'-0" (1219)	80	80	80	80	80	74	63	50	43		
		(A + B) ÷ 2 = 3'-6" (1067)	80	80	80	80	80	80	70	56	49	40	
		(A + B) ÷ 2 = 3'-0" (914)	80	80	80	80	80	80	77	62	54	45	
		(A + B) ÷ 2 = 2'-6" (762)	80	80	80	80	80	80	80	74	64	53	
		(A + B) ÷ 2 = 2'-0" (610)	80	80	80	80	80	80	80	80	75	62	
		(A + B) ÷ 2 = 1'-6" (457)	80	80	80	80	80	80	80	80	80	80	
		C = (length of join)		5'-6" (1676)	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	8'-6" (2591)	9'-0" (2743)	9'-6" (2896)	10'-0" (3048)



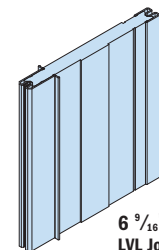
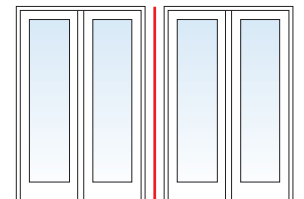
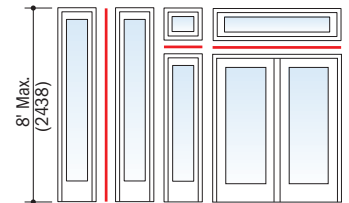
When joining hinged inswing or outswing patio doors do not join hinge jamb to hinge jamb.

**4 ⁹/₁₆" (116) x ³/₄" (19)
LVL Joining Material**

1-Way LVL Joining

A-Series Frenchwood® Patio Doors: Gliding, Hinged Inswing, Hinged Outswing, Transoms and Sidelights

6 ⁹/₁₆" (167) LVL	Average Adjacent Door/Transom/Sidelight Dimension	(A + B) + 2 = 10'-0" (3048)	80	80	80	80	80	80	80	77	64	51
		(A + B) + 2 = 9'-6" (2896)	80	80	80	80	80	80	80	77	64	51
		(A + B) + 2 = 9'-0" (2743)	80	80	80	80	80	80	80	77	65	51
		(A + B) + 2 = 8'-6" (2591)	80	80	80	80	80	80	80	77	65	52
		(A + B) + 2 = 8'-0" (2438)	80	80	80	80	80	80	80	78	66	53
		(A + B) + 2 = 7'-6" (2286)	80	80	80	80	80	80	80	80	67	54
		(A + B) + 2 = 7'-0" (2134)	80	80	80	80	80	80	80	80	69	56
		(A + B) + 2 = 6'-6" (1981)	80	80	80	80	80	80	80	80	72	58
		(A + B) + 2 = 6'-0" (1829)	80	80	80	80	80	80	80	80	75	61
		(A + B) + 2 = 5'-6" (1676)	80	80	80	80	80	80	80	80	78	64
		(A + B) + 2 = 5'-0" (1524)	80	80	80	80	80	80	80	80	80	68
		(A + B) + 2 = 4'-6" (1372)	80	80	80	80	80	80	80	80	80	73
		(A + B) + 2 = 4'-0" (1219)	80	80	80	80	80	80	80	80	80	79
		(A + B) + 2 = 3'-6" (1067)	80	80	80	80	80	80	80	80	80	80
		(A + B) + 2 = 3'-0" (914)	80	80	80	80	80	80	80	80	80	80
		(A + B) + 2 = 2'-6" (762)	80	80	80	80	80	80	80	80	80	80
		(A + B) + 2 = 2'-0" (610)	80	80	80	80	80	80	80	80	80	80
		(A + B) + 2 = 1'-6" (457)	80	80	80	80	80	80	80	80	80	80
		C = (length of join)	5'-6" (1676)	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	8'-6" (2591)	9'-0" (2743)	9'-6" (2896)	10'-0" (3048)



When joining hinged inswing or outswing patio doors do not join hinge jamb to hinge jamb.

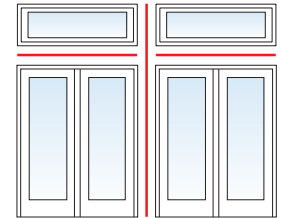
**6 ⁹/₁₆" (167) x ³/₄" (19)
LVL Joining Material**

- Numerical values in charts represent structural pressure only.
- Dimensions in parentheses are in millimeters.
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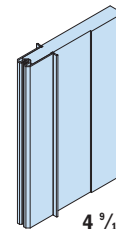
2-Way LVL Joining

A-Series Frenchwood® Patio Doors: Gliding, Hinged Inswing, Hinged Outswing, Transoms and Sidelights

4 ⁹/₁₆" (116) LVL	Average Adjacent Door/Transom/Sidelight Dimension	(A + B) + 2 = 10'-0" (3048)	57	42																
		(A + B) + 2 = 9'-6" (2896)	60	45																
		(A + B) + 2 = 9'-0" (2743)	63	47																
		(A + B) + 2 = 8'-6" (2591)	67	50	41															
		(A + B) + 2 = 8'-0" (2438)	71	52	43															
		(A + B) + 2 = 7'-6" (2286)	76	57	46															
		(A + B) + 2 = 7'-0" (2134)	80	60	49															
		(A + B) + 2 = 6'-6" (1981)	80	65	53	41														
		(A + B) + 2 = 6'-0" (1829)	80	70	57	44														
		(A + B) + 2 = 5'-6" (1676)	80	77	63	49	41													
		(A + B) + 2 = 5'-0" (1524)	80	80	68	53	45													
		(A + B) + 2 = 4'-6" (1372)	80	80	77	60	50	40												
		(A + B) + 2 = 4'-0" (1219)	80	80	80	66	55	44												
		(A + B) + 2 = 3'-6" (1067)	80	80	80	77	65	52	44											
		(A + B) + 2 = 3'-0" (914)	80	80	80	80	73	59	50	41										
		(A + B) + 2 = 2'-6" (762)	80	80	80	80	80	72	62	51	45									
		(A + B) + 2 = 2'-0" (610)	80	80	80	80	80	80	75	61	53	45								
		(A + B) + 2 = 1'-6" (457)	80	80	80	80	80	80	80	80	74	62								
		C = (length of join)	5'-6" (1676)	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	8'-6" (2591)	9'-0" (2743)	9'-6" (2896)	10'-0" (3048)								



When joining hinged inswing or outswing patio doors do not join hinge jamb to hinge jamb.

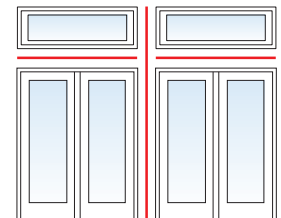


**4 ⁹/₁₆" (116) x ³/₄" (19)
LVL Joining Material**

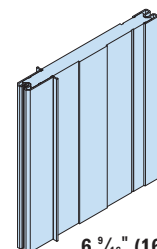
2-Way LVL Joining

A-Series Frenchwood® Patio Doors: Gliding, Hinged Inswing, Hinged Outswing, Transoms and Sidelights

6 ⁹/₁₆" (167) LVL	Average Adjacent Door/Transom/Sidelight Dimension	(A + B) + 2 = 10'-0" (3048)	80	80	79	61	52	41												
		(A + B) + 2 = 9'-6" (2896)	80	80	80	65	55	44												
		(A + B) + 2 = 9'-0" (2743)	80	80	80	68	57	46												
		(A + B) + 2 = 8'-6" (2591)	80	80	80	73	61	49	42											
		(A + B) + 2 = 8'-0" (2438)	80	80	80	76	64	51	44											
		(A + B) + 2 = 7'-6" (2286)	80	80	80	80	69	55	48											
		(A + B) + 2 = 7'-0" (2134)	80	80	80	80	73	59	50	41										
		(A + B) + 2 = 6'-6" (1981)	80	80	80	80	80	64	55	45										
		(A + B) + 2 = 6'-0" (1829)	80	80	80	80	80	68	59	48	42									
		(A + B) + 2 = 5'-6" (1676)	80	80	80	80	80	76	65	53	47									
		(A + B) + 2 = 5'-0" (1524)	80	80	80	80	80	80	70	58	50	42								
		(A + B) + 2 = 4'-6" (1372)	80	80	80	80	80	80	79	65	57	48								
		(A + B) + 2 = 4'-0" (1219)	80	80	80	80	80	80	80	72	63	52								
		(A + B) + 2 = 3'-6" (1067)	80	80	80	80	80	80	80	80	73	61								
		(A + B) + 2 = 3'-0" (914)	80	80	80	80	80	80	80	80	80	69								
		(A + B) + 2 = 2'-6" (762)	80	80	80	80	80	80	80	80	80	80								
		(A + B) + 2 = 2'-0" (610)	80	80	80	80	80	80	80	80	80	80								
		(A + B) + 2 = 1'-6" (457)	80	80	80	80	80	80	80	80	80	80								
		C = (length of join)	5'-6" (1676)	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	8'-6" (2591)	9'-0" (2743)	9'-6" (2896)	10'-0" (3048)								



When joining hinged inswing or outswing patio doors do not join hinge jamb to hinge jamb.



**6 ⁹/₁₆" (167) x ³/₄" (19)
LVL Joining Material**

- Numerical values in charts represent structural pressure only.
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- Andersen® products must be installed and anchored properly according to joining and installation guides to meet rated structural performance. Refer to product joining and installation guides at andersenwindows.com.

Performance Standards

The Window and Door Manufacturers Association (WDMA), The American Architectural Manufacturers Association (AAMA) and the Canadian Standards Association (CSA) have jointly released AAMA/WDMA/CSA 101/I.S.2/A440-08; North American Fenestration Standard/ Specification for Windows, Doors and Skylights, which calls for using "Performance Grade" as the new rating to describe products that comply to the standard. This new version dated "-08" has been adopted by the 2009 International Building Code (IBC) and the International Residential Code (IRC).

Performance Grade ratings are being used to replace Design Pressure Ratings as the preferred method of measuring product performance throughout the window, door and skylight industry to define products that comply with all of the requirements of the 101/I.S.2/A440 standard.

A product only achieves a "Performance Grade" or "PG" rating if that product complies with not only the structural loading requirement, but all other performance requirements such as air infiltration resistance, water penetration resistance, ease of operation and resistance to forced entry. A "Design Pressure Rating" or "DP" rating will now describe a product rating that has only been tested to structural loading and not air infiltration, water testing or other requirements for Performance Grade.

Performance Classes

This Standard/Specification defines requirements for four performance classes. The performance classes are designated R, LC, CW, and AW. This classification system provides for several levels of performance. Product selection is always based on the performance requirements of the particular project.

Elements of Performance Grade (PG) Designations

In order to qualify for a given performance grade (PG), test specimens need to pass all required performance tests for the following, in addition to all required auxiliary (durability) tests (not shown here) for the applicable product type and desired performance class:

(a) Operating force (if applicable): minimum and maximum operating force vary by product type and performance class.

(b) Air leakage resistance: tested in accordance with ASTM E283 at a test pressure of 1.57 PSF. The allowable air infiltration for R, LC & CW is 0.3 cubic feet per minute per square foot of frame (cfm/ft²).

(c) Water penetration resistance: tested in accordance with ASTM E547 with the specified test pressure applied per AAMA/WDMA/CSA 101/I.S.2/A440-08. The test consists of four cycles. Each cycle consists of five minutes with pressure applied and one minute with the pressure released, during which the water spray is continuously applied. The water spray shall be uniformly applied at a constant rate of 5.0 U.S. gal/ft² · hr.

d) Uniform load deflection test: tested in accordance with ASTM E330 for both positive and negative pressure (pressure defined by AAMA/WDMA/CSA 101/I.S.2/A440-08) with the load maintained for a period of 60 seconds. After loads are removed there shall be no more permanent deformation in excess of 0.4% of its span and no damage to the unit which would make it inoperable.

Starting with the 2008 specification, design pressure (DP) will only represent the "uniform load deflection test."

(e) Uniform load structural test: tested in accordance with ASTM E330 for both positive and negative pressure (pressure defined by AAMA/WDMA/CSA 101/I.S.2/A440-08) with the load maintained for a period of 10 seconds. After loads are removed there shall be no damage to the unit which would make it inoperable.

(f) Forced-entry resistance (if applicable): tested in accordance with ASTM F588 (Windows), F476 (Swinging Doors) and F842 (Sliding Doors) at a performance level 10 rating.

Maximum Size Tested (MST)

Test size is a factor in determining compliance with this Standard/Specification. Each product type and class has a defined minimum set of requirements. The minimum test size increases with each class (i.e. R, LC, CW or AW).

Minimum Requirements

The minimum requirements to obtain a Performance Grade (PG) are listed below:

Product Performance Class	Minimum Performance Grade (PG) (PSF)	Minimum Design Pressure (DP) (PSF)	Minimum Structural Test Pressure (STP) (PSF)	Minimum Water Penetration Test Pressure (WTP) (PSF)
Windows and Doors				
R	15	15	22.5	2.25
LC	25	25	37.5	3.75
CW	30	30	45.0	4.50
AW	40	40	60.0	6.00

- "Structural Test Pressure (STP)" is 150% of the Performance Grade (PG) for windows and doors.
- "Water Penetration Test Pressure (WTP)" is 15% of the Performance Grade (PG).

Optional Higher Performance Grades (PG) & Corresponding Test Pressures (PSF)

	PG20	PG25	PG30	PG35	PG40	PG45	PG50	PG55	PG60
WTP	3.00	3.75	4.50	5.25	6.00	6.75	7.50	8.25	9.00
DP	20	25	30	35	40	45	50	55	60
STP	30.0	37.5	45.0	52.5	60.0	67.5	75.0	82.5	90.0
Air	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

- Forced Entry Resistance (FER) is always a performance level 10 regardless of Performance Grade (PG).
- Minimum and maximum Operating Force varies by product type.

Hallmark Certification

The Window and Door Manufacturers Association (WDMA) sponsored Hallmark Certification Program is designed to provide builders, architects, specifiers and consumers with an easily recognizable means of identifying products that have been manufactured in accordance with the appropriate WDMA and other referenced performance standards. Conformance is determined by periodic in-plant inspections by a third party administrator. The inspections include auditing licensee quality control procedures and processes, and a review to confirm products are manufactured in accordance with the appropriate performance standards. Periodic testing of representative product constructions and components by a third party testing laboratory is also required. When all of the program requirements are met, the licensee is authorized to use the WDMA Hallmark registered logo on the Certification Label as a means of identifying products.

Products successfully obtaining Hallmark Certification will be labeled with a 3-part code, which includes performance class, performance grade and maximum size tested.

Below is a sample certification label:

	Andersen Corporation 400 SERIES CASEMENT WINDOW Manufacturer Stipulates Conformance as indicated below
	RATING
STANDARD	CLASS LC ⁽¹⁾ - PG70 ⁽²⁾ - SIZE TESTED 31.5 X 71.9 in. ⁽³⁾ DP+70/-70 ⁽⁴⁾
AAMA/WDMA/CSA 101/I.S.2/A440-08	C-LC70 DP + 70/-70
AAMA/WDMA/CSA 101/I.S.2/A440-05	Wind Zone 4, Missile Level D, Design Pressure 70/70 psf
ASTM E1886-02 / ASTM E1996-02	

- (1) - Performance Class
- (2) - Performance Grade
- (3) - Size Tested
- (4) - Design Pressure

In the example above, the performance class is LC, the performance grade (PG) is 70 PSF and the size tested is 31.5" x 71.9". What this means to the specifier is, based on the optional higher performance grade chart, the laboratory tested air infiltration was less than 0.3 cfm/ft² (test pressure is always 1.57 PSF and the allowable airflow is 0.3 cfm/ft²), the product tested successfully resisted a laboratory water penetration test at a test pressure of 10.5 PSF (test pressure equals 15% of PG), the product tested successfully withstood a laboratory positive and negative structural test at a pressure of 105 PSF (test pressure equals 150% of performance grade) in both the positive and negative directions and the product tested passed the laboratory requirements for operational force and forced entry resistance. Based on this test, all products smaller in both width and height can be labeled with this product performance rating.

Important

Building codes prescribe Performance Grade (PG) based on a variety of criteria (i.e. windspeed zone, building height, etc.), therefore structural test pressures should **not** be used for code compliance. In the example above, a PG 70 performance grade rating, which passes a 70 PSF design pressure, should be used for determining code compliance, not the structural test pressure of 105 PSF.

If you need further details about how Andersen® products perform to this standard, contact your Andersen supplier.

If you need further information about the AAMA/WDMA/CSA 101/I.S.2/A440-08 standard or the Hallmark Certification Program please contact: WDMA, 401 N. Michigan Avenue, Suite 2200 Chicago, IL 60611 Phone: 312-321-6802 Web: wdma.com

Where designated, Andersen products are tested, certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.

Performance Grade, Air Infiltration and Sound Transmission Ratings

A-Series Windows with Low-E4® Impact-Resistant Glass

For current performance information please visit andersenwindows.com.

Andersen® Product	AAMA/WDMA/CSA 101/IS2/A440 Performance Grade (PG)	Corresponding Design Pressure (DP)	MIAMI-DADE COUNTY TAS201, 202, 203	Sound Transmission Class (STC)	Outdoor/Indoor Transmission Class (OITC)	Air Infiltration CFM/FT²
Casement	Class LC-PG70 Size Tested 35.3" x 71.3"	70/70	70/70	33	24	<0.3
Awning	Class LC-PG70 Size Tested 59.3" x 31.3"	70/70	70/70	33	30	<0.3
Double-Hung	Class LC-PG70 Size Tested 47.3" x 95.3"	70/70	70/70	32	29	< 0.3
Picture	Class LC -PG70 Size Tested 71.3" x 79.3"	70/70	70/70	34	31	< 0.3
Picture	Class LC -PG65 Size Tested 71.3" x 95.3"	65/65	65/65	34	31	< 0.3
Stationary Transom	Class R -PG70 Size Tested 55.3" x 55.3"	70/70	70/70	33	29	< 0.3
Venting Transom	Class R-PG70 Size Tested 59.3" x 31.3"	70/70	70/70	33	29	< 0.3
Direct-Set Specialty						
Springline™ (up to 50 sq. ft.)	Class LC-PG70 Size Tested 60" x 120"	70/80	70/80	37	31	< 0.3
Springline™ (up to 36 sq. ft.)	Class LC-PG70 Size Tested 54" x 96"	70/70	70/70	36	31	< 0.3
Springline™ (up to 15 sq. ft.)	Class LC-PG70 Size Tested 36" x 60"	70/70	70/70	35	30	< 0.3
Arch (up to 50 sq. ft.)	Class LC-PG70 Size Tested 60" x 120"	70/80	70/80	37	31	< 0.3
Arch (up to 36 sq. ft.)	Class LC-PG70 Size Tested 54" x 96"	70/70	70/70	36	31	< 0.3
Arch (up to 15 sq. ft.)	Class LC-PG70 Size Tested 36" x 60"	70/70	70/70	35	30	< 0.3
Sash-Set Specialty						
Springline™ (up to 50 sq. ft.)	Class LC-PG70 Size Tested 60" x 120"	70/80	70/80	37	34	< 0.3
Springline™ (up to 36 sq. ft.)	Class LC-PG70 Size Tested 54" x 96"	70/70	70/70	37	34	< 0.3
Springline™ (up to 15 sq. ft.)	Class LC-PG70 Size Tested 36" x 96"	70/70	70/70	36	32	< 0.3
Arch (up to 50 sq. ft.)	Class LC-PG70 Size Tested 60" x 120"	70/80	70/80	37	34	< 0.3
Arch (up to 36 sq. ft.)	Class LC-PG70 Size Tested 54" x 96"	70/70	70/70	37	34	< 0.3
Arch (up to 15 sq. ft.)	Class LC-PG70 Size Tested 36" x 96"	70/70	70/70	36	32	< 0.3

- "Performance Grade (PG)" ratings may vary from tested performance rating for larger or smaller units of a particular type.
- "Sound Transmission Class (STC)" & "Outdoor/Indoor Transmission Class (OITC)" ratings are for individual units based on independent tests and represent entire unit.
- This data is accurate as of October, 2013. Due to ongoing product changes, updated test results, or new industry standards, this data may change over time.
- Where designated, Andersen products are certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.
- Contact your Andersen supplier for more information.
- All impact-resistant glass units tested to Large Missile D, Wind Zone 4 and High Velocity Hurricane Zone (HVHZ) requirements of Florida.

Performance Grade, Air Infiltration and Sound Transmission Ratings

400 Series Windows with Low-E4® Impact-Resistant Glass and Performance Upgrades

For current performance information please visit andersenwindows.com.

Andersen® Product	AAMA/WDMA/CSA 101/IS2/A440 Performance Grade (PG)	Corresponding Design Pressure (DP)	MIAMI-DADE COUNTY TAS201, 202, 203	Sound Transmission Class (STC)	Outdoor/Indoor Transmission Class (OITC)	Air Infiltration CFM/FT²
Windows						
Casement	Class LC-PG70 Size Tested 31.5" x 71.9"	70/70	—	30	26	< 0.3
Casement Transom	Class LC-PG70 Size Tested 56.5" x 12"	70/70	—	35	30	< 0.3
Casement, PG Upgrade	Class LC-PG70 Size Tested 31.5" x 71.9"	70/70	—	26	22	< 0.3
Casement, PG Upgrade	Class LC-PG70 Size Tested 71.9" x 59.9"	70/70	—	26	22	< 0.3
Casement Stationary, PG Upgrade	Class LC-PG70 Size Tested 35.9" x 71.9"	70/70	—	26	22	< 0.3
Awning	Class LC-PG60 Size Tested 84.5" x 31.5"	60/65	—	30	26	< 0.3
Awning, PG Upgrade	Class LC-PG60 Size Tested 84.5" x 31.5"	60/65	—	26	21	< 0.3

continued on next page

Performance Grade, Air Infiltration and Sound Transmission Ratings *(continued)*

400 Series Windows with Low-E4® Impact-Resistant Glass and Performance Upgrades

For current performance information please visit andersenwindows.com.

Andersen® Product	AAMA/WDMA/CSA 101/IS2/A440 Performance Grade (PG)	Corresponding Design Pressure (DP)	MIAMI-DADE COUNTY TAS201, 202, 203	Sound Transmission Class (STC)	Outdoor/Indoor Transmission Class (OITC)	Air Infiltration CFM/FT ²
Casement/Awning Picture	Class LC-PG70 Size Tested 71.5" x 59.9"	70/70	—	35	30	< 0.3
Tilt-Wash Double-Hung	Class LC-PG50 Size Tested 45.6" x 76.9"	50/65	—	32	28	< 0.3
Tilt-Wash Double-Hung, PG Upgrade	Class LC-PG50 Size Tested 45.6" x 76.9"	50/55	—	26	23	< 0.3
Tilt-Wash Double-Hung, PG Upgrade	Class LC-PG50 Size Tested 37.6" x 76.9"	50/65	—	26	23	< 0.3
Tilt-Wash Double-Hung, PG Upgrade	Class LC-PG50 Size Tested 45.6" x 64.9"	50/65	—	26	23	< 0.3
Tilt-Wash Transom	Class LC-PG50 Size Tested 45.5" x 39.3"	50/65	—	33	28	< 0.3
Tilt-Wash Picture	Class LC-PG50 Size Tested 67.3" x 76.9"	50/65	—	33	29	< 0.3
Half Circle – Double-Hung	Class SP-PG50 Size Tested 75.4" x 40.0"	50/65	—	—	—	< 0.3
Oval & Half Circle – Casement/Awning	Class LC-PG70 Size Tested 71.5" x 59.9"	70/70	—	35	30	< 0.3
Springline™	Class LC-PG70 Size Tested 96" x 72"	70/70	—	—	—	< 0.3
Flexiframe®	Class LC-PG70 Size Tested 120" x 60"	70/70	—	35	29	< 0.3
Flexiframe®	Class LC-PG70 Size Tested 72" x 84"	70/70	—	35	29	< 0.3

- "Performance Grade (PG)" ratings may vary from tested performance rating for larger or smaller units of a particular type.
- "Sound Transmission Class (STC)" & "Outdoor/Indoor Transmission Class (OITC)" ratings are for individual units based on independent tests and represent entire unit.
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- Where designated, Andersen products are certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.
- Contact your Andersen supplier for more information.
- All impact-resistant glass units, except Tilt-Wash, tested to Large Missile D, Wind Zone 4.

Performance Grade, Air Infiltration and Sound Transmission Ratings

400 Series Windows with Monolithic Impact-Resistant Glass

For current performance information please visit andersenwindows.com.

Andersen® Product	AAMA/WDMA/CSA 101/IS2/A440 Performance Grade (PG)	Corresponding Design Pressure (DP)	MIAMI-DADE COUNTY TAS201, 202, 203	Sound Transmission Class (STC)	Outdoor/Indoor Transmission Class (OITC)	Air Infiltration CFM/FT ²
Windows						
Casement (CW25)	Class LC-PG70 Size Tested 56.5" x 59.8"	70/70	60/64	34	29	< 0.3
Casement (C35)	Class LC-PG70 Size Tested 71.9" x 59.9"	70/70	60/64	34	29	< 0.3
Casement (CXW145)	Class LC-PG70 Size Tested 35.9" x 52.8"	70/70	60/65	34	29	< 0.3
Casement (CX16)	Class LC-PG70 Size Tested 31.5" x 71.9"	70/70	50/65	34	29	< 0.3
Awning (A313)	Class LC-PG60 Size Tested 35" x 71"	60/65	—	34	31	< 0.3
Awning (AX3251)	Class LC-PG60 Size Tested 84" x 31"	60/65	—	34	31	< 0.3
Awning (AW51)	—	—	67/82	34	31	< 0.3
Awning (AX51)	—	—	60/65	34	31	< 0.3
Casement/Awning Picture	Class LC-PG70 Size Tested 59.9" x 71.9"	70/70	60/65	37	34	< 0.3
Tilt-Wash Double-Hung (TW3862)	Class LC-PG50 Size Tested 45.8" x 76.9"	50/65	—	—	—	< 0.3
Half Circle – Casement/Awning	Class LC-PG70 Size Tested 71.9" x 38.3"	70/70	—	37	34	< 0.3
Springline™	—	—	67/70	36	32	< 0.3
Flexiframe®	—	—	67/71	36	32	< 0.3

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- Contact your Andersen supplier for more information.
- All impact-resistant glass units, except Tilt-Wash, tested to Large Missile D, Wind Zone 4 and/or High Velocity Hurricane Zone (HVHZ) requirements of Florida.

Performance Grade, Air Infiltration and Sound Transmission Ratings

A-Series Frenchwood® Patio Doors with Low-E4® Impact-Resistant Glass with Performance Upgrades

For current performance information please visit andersenwindows.com.

Andersen® Product	AAMA/WDMA/CSA 101/IS2/A440 Performance Grade (PG)	Corresponding Design Pressure (DP)	MIAMI-DADE COUNTY TAS201, 202, 203	Sound Transmission Class (STC)	Outdoor/Indoor Transmission Class (OITC)	Air Infiltration CFM/FT ²
Frenchwood® Gliding Patio Door						
Single, Stationary (611, 80)	Class LC-PG70 Size Tested 50.4" x 95.5"	70/80	65/80	36	31	< 0.3
Two-Panel (611)	Class LC-PG70 Size Tested 95.3" x 82.5"	70/80	70/80	31	29	< 0.3
Two-Panel (80)	Class LC-PG70 Size Tested 95.3" x 95.5"	70/70	70/70	31	29	< 0.3
Three-Panel (611)	Class LC-PG60 Size Tested 141.0" x 82.5"	60/70	65/70	†	†	< 0.3
Three-Panel (80)	Class LC-PG50 Size Tested 141.0" x 95.5"	50/50	50/50	†	†	< 0.3
Four-Panel (611)	Class LC-PG65 Size Tested 189.0" x 82.4"	65/70	65/70	†	†	< 0.3
Four-Panel (80)	Class LC-PG50 Size Tested 189.0" x 95.5"	50/50	50/50	†	†	< 0.3
Frenchwood® Hinged Inswing Patio Door						
Single, Stationary (611)	Class LC-PG65 Size Tested 38.0" x 82.5"	65/80	65/80	34	30	< 0.3
Single, Stationary (80)	Class LC-PG65 Size Tested 38.0" x 95.5"	65/70	65/70	34	30	< 0.3
Single, Active (611)	Class LC-PG65 Size Tested 38.0" x 82.5"	65/80	65/80	34	30	< 0.3
Single, Active (80)	Class LC-PG65 Size Tested 38.0" x 95.5"	65/70	65/70	34	30	< 0.3
Two-Panel, AP/PA (611)	Class LC-PG65 Size Tested 75.3" x 82.5"	65/80	65/80	33	30	< 0.3
Two-Panel, AP/PA (80)	Class LC-PG65 Size Tested 75.3" x 95.5"	65/70	65/70	33	30	< 0.3
Two-Panel, AS/SA/SS (611)	Class LC-PG65 Size Tested 75.3" x 82.5"	65/80	—	33	30	< 0.3
Two-Panel, AS/SA/SS (80)	Class LC-PG65 Size Tested 75.3" x 95.5"	65/70	—	33	30	< 0.3
Frenchwood® Hinged Outswing Patio Door						
Single, Stationary (611, 80)	Class LC-PG65 Size Tested 38.0" x 95.5"	65/80	65/80	35	30	< 0.3
Single, Active (611)	Class R-PG65 Size Tested 38.0" x 82.5"	65/80	65/80	35	30	< 0.3
Single, Active (80)	Class R-PG65 Size Tested 38.0" x 95.3"	65/70	65/70	35	30	< 0.3
Two-Panel (611)	Class LC-PG65 Size Tested 75.3" x 82.5"	65/80	65/80	34	30	< 0.3
Two-Panel (80)	Class LC-PG65 Size Tested 75.3" x 95.5"	65/70	65/70	34	30	< 0.3
Frenchwood® Patio Door Sidelights & Transoms						
Transom	Class LC-PG70 Size Tested 112.0" x 27.0"	70/80	70/80	†	†	< 0.3
Sidelight Transom	Class LC-PG70 Size Tested 18.0" x 27.0"	70/80	70/80	†	†	< 0.3
Sidelight (611, 80)	Class LC-PG65 Size Tested 18.0" x 95.5"	65/80	65/80	†	†	< 0.3

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 - "Sound Transmission Class (STC)" & "Outdoor/Indoor Transmission Class (OITC)" ratings are for individual units based on independent tests and represent entire unit.
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 - Contact your Andersen supplier for more information.
 - All impact-resistant glass units, except Sidelight Transom, tested to Large Missile D, Wind Zone 4 and High Velocity Hurricane Zone (HVHZ) requirements of Florida.
- † Information not available at time of printing.

Performance Grade, Air Infiltration and Sound Transmission Ratings

A-Series Frenchwood® Patio Doors with Monolithic Impact-Resistant Glass

For current performance information please visit andersenwindows.com.

Andersen® Product	AAMA/WDMA/CSA 101/IS2/A440 Performance Grade (PG)	Corresponding Design Pressure (DP)	MIAMI-DADE COUNTY TAS201, 202, 203	Sound Transmission Class (STC)	Outdoor/Indoor Transmission Class (OITC)	Air Infiltration CFM/FT ²
Frenchwood® Gliding Patio Door						
Single, Stationary (611, 80)	—	—	65/80	—	—	< 0.3
Two-Panel (611)	—	—	70/80	—	—	< 0.3
Two-Panel (80)	—	—	70/70	—	—	< 0.3
Three-Panel (611)	—	—	65/70	—	—	< 0.3
Three-Panel (80)	—	—	50/50	—	—	< 0.3
Four-Panel (611)	—	—	65/70	—	—	< 0.3
Four-Panel (80)	—	—	50/50	—	—	< 0.3
Frenchwood® Hinged Inswing Patio Door						
Single, Stationary (611)	—	—	65/80	—	—	< 0.3
Single, Stationary (80)	—	—	65/70	—	—	< 0.3
Single, Active (611)	—	—	65/80	—	—	< 0.3
Single, Active (80)	—	—	65/70	—	—	< 0.3
Two-Panel, AP/PA (611)	—	—	65/80	—	—	< 0.3
Two-Panel, AP/PA (80)	—	—	65/70	—	—	< 0.3
Two-Panel, AS/SA/SS (611)	—	—	—	—	—	—
Two-Panel, AS/SA/SS (80)	—	—	—	—	—	—
Frenchwood® Hinged Outswing Patio Door						
Single, Stationary (611, 80)	—	—	65/80	—	—	< 0.3
Single, Active (611)	—	—	65/80	—	—	< 0.3
Single, Active (80)	—	—	65/70	—	—	< 0.3
Two-Panel (611)	—	—	65/80	—	—	< 0.3
Two-Panel (80)	—	—	65/70	—	—	< 0.3
Frenchwood® Patio Door Sidelights & Transoms						
Transom	—	—	70/80	—	—	< 0.3
Sidelight Transom	—	—	70/80	—	—	< 0.3
Sidelight (611, 80)	—	—	65/80	—	—	< 0.3
Venting Transom	—	—	50/50	—	—	< 0.3

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- Contact your Andersen supplier for more information.
- All impact-resistant glass units tested to High Velocity Hurricane Zone (HVHZ) requirements of Florida.

Center of Glass Performance Data for products with Low-E4® Impact-Resistant Glass

For current performance information please visit andersenwindows.com.

Andersen® Product	Visible Light ¹	SC ²	SHGC ³	RHG ⁴	Fading		%RH @ center ⁷	IGST ⁸
					Tuv ⁵	Tdw ⁶		
A-Series Windows								
Casement	70%	0.47	0.40	97	< 1%	21%	55%	53°F
Awning	70%	0.47	0.40	97	< 1%	21%	55%	53°F
Double-Hung	70%	0.47	0.40	97	< 1%	21%	55%	53°F
Stationary Transom	70%	0.47	0.40	97	< 1%	21%	55%	53°F
Venting Transom	70%	0.47	0.40	97	< 1%	21%	55%	53°F
Picture	70%	0.47	0.40	97	< 1%	21%	55%	53°F
Specialty	70%	0.47	0.40	97	< 1%	21%	55%	53°F
400 Series Windows								
Casement, Awning	71%	0.47	0.41	99	< 1%	21%	51%	51°F
Casement/Awning Picture	68%	0.47	0.41	96	< 1%	22%	62%	56°F
Tilt-Wash Double-Hung	71%	0.47	0.41	99	< 1%	21%	51%	51°F
Tilt-Wash Transom	70%	0.46	0.40	96	< 1%	21%	59%	55°F
Tilt-Wash Picture	70%	0.47	0.41	97	< 1%	22%	57%	54°F
Circle, Half Circle, Oval	71%	0.47	0.41	96	< 1%	22%	62%	56°F
Springline™	67%	0.45	0.39	93	< 1%	21%	62%	56°F
Arch, Flexiframe®	67%	0.45	0.39	93	< 1%	21%	62%	56°F
A-Series Frenchwood® Patio Doors, Patio Door Transoms & Sidelights and Venting Transom Windows								
Gliding	69%	0.46	0.40	97	< 1%	17%	57%	54°F
Hinged Inswing	70%	0.47	0.40	97	< 1%	21%	55%	53°F
Hinged Outswing	70%	0.47	0.40	97	< 1%	21%	55%	53°F
Transom	70%	0.47	0.40	97	< 1%	21%	55%	53°F
Sidelight	70%	0.47	0.40	97	< 1%	21%	55%	53°F
Venting Transom	70%	0.47	0.40	97	< 1%	21%	55%	53°F

• "Low-E4", "Low-E4 SmartSun™" and "Low-E4 Sun" are Andersen trademarks for "Low-E" glass.

• Based on NFRC testing/simulation conditions using Windows 5.2 and NFRC validated spectral data. 0°F outside temperature, 70°F inside temperature and a 15 mph wind.

1 Visible Transmittance (VT) measures how much light comes through the glass. The higher the value, from 0 to 1, the more daylight the glass lets in. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.

2 Shading Coefficient defines the amount of heat gain through the glass compared to a single lite of clear 1/8" (3 mm) glass.

3 Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the glass.

4 Relative Heat Gain is the amount of heat gain through a glazing incorporating U-Factor and Solar Heat Gain Coefficient.

5 Transmission Ultra-Violet Energy (TUV). The transmission of short wave energy in the 300-380 nanometer portion of the solar spectrum. The energy can cause fabric fading.

6 Transmission Damage Function (TDW). The transmission of UV and visible light energy in the 300-600 nanometer portion of the solar spectrum. The value includes both the UV and visible light energy that can cause fabric fading. This rating has also been referred to as the Krochmann Damage Function. This rating better predicts fading potential than UV transmission alone. The lower the Damage Function rating, the less transmission of short wave energy through the glass that can potentially cause fabric fading. Fabric type is also a key component of fading potential.

7 Percent relative humidity before condensation occurs at the center of glass, taken using center of glass temperature.

8 Inside glass surface temperatures are taken at the center of glass.

• This data is accurate as of October, 2013. Due to ongoing product changes, updated test results, or new industry standards, this data may change over time. Contact your Andersen supplier for current performance information or upgrade options.

Center of Glass Performance Data for products with Low-E4® SmartSun Impact-Resistant Glass

For current performance information please visit andersenwindows.com.

Andersen® Product	Visible Light ¹	SC ²	SHGC ³	RHG ⁴	Fading		%RH @ center ⁷	IGST ⁸
					Tuv ⁵	Tdw ⁶		
A-Series Windows								
Casement	63%	0.32	0.27	67	< 1%	16%	57%	54°F
Awning	63%	0.32	0.27	67	< 1%	16%	57%	54°F
Double-Hung	63%	0.32	0.27	67	< 1%	16%	57%	54°F
Stationary Transom	63%	0.32	0.27	67	< 1%	16%	57%	54°F
Venting Transom	63%	0.32	0.27	67	< 1%	16%	57%	54°F
Picture	63%	0.32	0.27	67	< 1%	16%	57%	54°F
Specialty	63%	0.32	0.27	67	< 1%	16%	57%	54°F
400 Series Windows								
Casement, Awning	64%	0.32	0.28	68	< 1%	16%	53%	52°F
Casement/Awning Picture	62%	0.31	0.27	65	< 1%	16%	62%	56°F
Tilt-Wash Double-Hung	64%	0.32	0.28	68	< 1%	16%	53%	52°F
Tilt-Wash Transom	63%	0.31	0.27	66	< 1%	16%	62%	56°F
Tilt-Wash Picture	63%	0.32	0.28	67	< 1%	17%	57%	54°F
Circle, Half Circle, Oval	62%	0.31	0.27	65	< 1%	16%	62%	56°F
Springline™	61%	0.31	0.27	64	< 1%	16%	62%	56°F
Arch, Flexiframe®	61%	0.31	0.27	64	< 1%	16%	62%	56°F
A-Series Frenchwood® Patio Doors, Patio Door Transoms & Sidelights and Venting Transom Windows								
Gliding	63%	0.32	0.27	67	< 1%	14%	57%	54°F
Hinged Inswing	63%	0.32	0.27	67	< 1%	16%	57%	54°F
Hinged Outswing	63%	0.32	0.27	67	< 1%	16%	57%	54°F
Transom	63%	0.32	0.27	67	< 1%	16%	57%	54°F
Sidelight	63%	0.32	0.27	67	< 1%	16%	57%	54°F
Venting Transom	63%	0.32	0.27	67	< 1%	16%	57%	54°F

• "Low-E4™", "Low-E4® SmartSun™" and "Low-E4® Sun" are Andersen trademarks for "Low-E" glass.

• Based on NFRC testing/simulation conditions using Windows 5.2 and NFRC validated spectral data. 0°F outside temperature, 70°F inside temperature and a 15 mph wind.

1 Visible Transmittance (VT) measures how much light comes through the glass. The higher the value, from 0 to 1, the more daylight the glass lets in. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.

2 Shading Coefficient defines the amount of heat gain through the glass compared to a single lite of clear 1/8" (3 mm) glass.

3 Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the glass.

4 Relative Heat Gain is the amount of heat gain through a glazing incorporating U-Factor and Solar Heat Gain Coefficient.

5 Transmission Ultra-Violet Energy (TUV). The transmission of short wave energy in the 300-380 nanometer portion of the solar spectrum. The energy can cause fabric fading.

6 Transmission Damage Function (TDW). The transmission of UV and visible light energy in the 300-600 nanometer portion of the solar spectrum. The value includes both the UV and visible light energy that can cause fabric fading. This rating has also been referred to as the Krochmann Damage Function. This rating better predicts fading potential than UV transmission alone. The lower the Damage Function rating, the less transmission of short wave energy through the glass that can potentially cause fabric fading. Fabric type is also a key component of fading potential.

7 Percent relative humidity before condensation occurs at the center of glass, taken using center of glass temperature.

8 Inside glass surface temperatures are taken at the center of glass.

• This data is accurate as of October, 2013. Due to ongoing product changes, updated test results, or new industry standards, this data may change over time. Contact your Andersen supplier for current performance information or upgrade options.

Center of Glass Performance Data for products with Low-E4® Sun Impact-Resistant Glass

For current performance information please visit andersenwindows.com.

Andersen® Product	Visible Light ¹	SC ²	SHGC ³	RHG ⁴	Fading		%RH @ center ⁷	IGST ⁸
					Tuv ⁵	Tdw ⁶		
A-Series Windows								
Casement	38%	0.29	0.25	62	< 1%	13%	55%	53°F
Awning	38%	0.29	0.25	62	< 1%	13%	55%	53°F
Double-Hung	38%	0.29	0.25	62	< 1%	13%	55%	53°F
Stationary Transom	38%	0.29	0.25	62	< 1%	13%	55%	53°F
Venting Transom	38%	0.29	0.25	62	< 1%	13%	55%	53°F
Picture	38%	0.29	0.25	62	< 1%	13%	55%	53°F
Specialty	38%	0.29	0.25	62	< 1%	13%	55%	53°F
400 Series Windows								
Casement, Awning	39%	0.30	0.26	64	< 1%	13%	51%	51°F
Casement/Awning Picture	38%	0.28	0.25	60	< 1%	14%	59%	55°F
Tilt-Wash Double-Hung	39%	0.30	0.26	64	< 1%	13%	51%	51°F
Tilt-Wash Transom	38%	0.28	0.25	60	< 1%	13%	59%	55°F
Tilt-Wash Picture	38%	0.29	0.25	62	< 1%	14%	55%	53°F
Circle, Half Circle, Oval	38%	0.28	0.25	60	< 1%	14%	59%	55°F
Springline™	36%	0.27	0.24	57	< 1%	13%	59%	55°F
Arch, Flexiframe®	36%	0.27	0.24	57	< 1%	13%	59%	55°F
A-Series Frenchwood® Patio Doors, Patio Door Transoms & Sidelights and Venting Transom Windows								
Gliding	38%	0.29	0.25	61	< 1%	11%	55%	53°F
Hinged Inswing	38%	0.29	0.25	62	< 1%	13%	55%	53°F
Hinged Outswing	38%	0.29	0.25	62	< 1%	13%	55%	53°F
Transom	38%	0.29	0.25	62	< 1%	13%	55%	53°F
Sidelight	38%	0.29	0.25	62	< 1%	13%	55%	53°F
Venting Transom	38%	0.29	0.25	62	< 1%	13%	55%	53°F

• "Low-E4", "Low-E4 SmartSun™" and "Low-E4 Sun" are Andersen trademarks for "Low-E" glass.

• Based on NFRC testing/simulation conditions using Windows 5.2 and NFRC validated spectral data. 0°F outside temperature, 70°F inside temperature and a 15 mph wind.

1 Visible Transmittance (VT) measures how much light comes through the glass. The higher the value, from 0 to 1, the more daylight the glass lets in. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.

2 Shading Coefficient defines the amount of heat gain through the glass compared to a single lite of clear 1/8" (3 mm) glass.

3 Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the glass.

4 Relative Heat Gain is the amount of heat gain through a glazing incorporating U-Factor and Solar Heat Gain Coefficient.

5 Transmission Ultra-Violet Energy (TUV). The transmission of short wave energy in the 300-380 nanometer portion of the solar spectrum. The energy can cause fabric fading.

6 Transmission Damage Function (TDW). The transmission of UV and visible light energy in the 300-600 nanometer portion of the solar spectrum. The value includes both the UV and visible light energy that can cause fabric fading. This rating has also been referred to as the Krockmann Damage Function. This rating better predicts fading potential than UV transmission alone. The lower the Damage Function rating, the less transmission of short wave energy through the glass that can potentially cause fabric fading. Fabric type is also a key component of fading potential.

7 Percent relative humidity before condensation occurs at the center of glass, taken using center of glass temperature.

8 Inside glass surface temperatures are taken at the center of glass.

• This data is accurate as of October, 2013. Due to ongoing product changes, updated test results, or new industry standards, this data may change over time. Contact your Andersen supplier for current performance information or upgrade options.

Center of Glass Performance Data for products with Monolithic Impact-Resistant Glass - Clear

For current performance information please visit andersenwindows.com.

Andersen® Product	Visible Light ¹	SC ²	SHGC ³	RHG ⁴	Fading		%RH @ center ⁷	IGST ⁸
					Tuv ⁵	Tdw ⁶		
400 Series Windows								
Casement, Awning	88%	0.87	0.75	185	< 1%	23%	14%	19°F
Casement/Awning Picture	86%	0.82	0.72	176	< 1%	22%	15%	20°F
Circle, Half Circle, Oval	86%	0.82	0.72	176	< 1%	22%	15%	20°F
Springline™, Arch, Flexiframe™	86%	0.82	0.72	176	< 1%	22%	15%	20°F
A-Series Frenchwood™ Patio Doors, Patio Door Transoms & Sidelights								
Gliding	86%	0.82	0.72	176	< 1%	22%	15%	20°F
Hinged Inswing	86%	0.82	0.72	176	< 1%	22%	15%	20°F
Hinged Outswing	86%	0.82	0.72	176	< 1%	22%	15%	20°F
Transom	86%	0.82	0.72	176	< 1%	22%	15%	20°F
Sidelight	86%	0.82	0.72	176	< 1%	22%	15%	20°F

Center of Glass Performance Data for products with Monolithic Impact-Resistant Glass - Gray

For current performance information please visit andersenwindows.com.

Andersen® Product	Visible Light ¹	SC ²	SHGC ³	RHG ⁴	Fading		%RH @ center ⁷	IGST ⁸
					Tuv ⁵	Tdw ⁶		
400 Series Windows								
Casement, Awning	44%	0.70	0.61	151	< 1%	17%	14%	19°F
Casement/Awning Picture	44%	0.67	0.58	145	< 1%	17%	15%	20°F
Circle, Half Circle, Oval	44%	0.67	0.58	145	< 1%	17%	15%	20°F
Springline™, Arch, Flexiframe™	44%	0.67	0.58	145	< 1%	17%	15%	20°F
A-Series Frenchwood® Patio Doors, Patio Door Transoms & Sidelights								
Gliding	44%	0.67	0.58	145	< 1%	17%	15%	20°F
Hinged Inswing	44%	0.67	0.58	145	< 1%	17%	15%	20°F
Hinged Outswing	44%	0.67	0.58	145	< 1%	17%	15%	20°F
Transom	44%	0.67	0.58	145	< 1%	17%	15%	20°F
Sidelight	44%	0.67	0.58	145	< 1%	17%	15%	20°F

• "Low-E4™", "Low-E4® SmartSun™" and "Low-E4® Sun" are Andersen trademarks for "Low-E" glass.

• Based on NFRC testing/simulation conditions using Windows 5.2 and NFRC validated spectral data. 0°F outside temperature, 70°F inside temperature and a 15 mph wind.

1 Visible Transmittance (VT) measures how much light comes through the glass. The higher the value, from 0 to 1, the more daylight the glass lets in. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.

2 Shading Coefficient defines the amount of heat gain through the glass compared to a single lite of clear 1/8" (3 mm) glass.

3 Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the glass.

4 Relative Heat Gain is the amount of heat gain through a glazing incorporating U-Factor and Solar Heat Gain Coefficient.

5 Transmission Ultra-Violet Energy (TUV). The transmission of short wave energy in the 300-380 nanometer portion of the solar spectrum. The energy can cause fabric fading.

6 Transmission Damage Function (TDW). The transmission of UV and visible light energy in the 300-600 nanometer portion of the solar spectrum. The value includes both the UV and visible light energy that can cause fabric fading. This rating has also been referred to as the Krochmann Damage Function. This rating better predicts fading potential than UV transmission alone. The lower the Damage Function rating, the less transmission of short wave energy through the glass that can potentially cause fabric fading. Fabric type is also a key component of fading potential.

7 Percent relative humidity before condensation occurs at the center of glass, taken using center of glass temperature.

8 Inside glass surface temperatures are taken at the center of glass.

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PRODUCT PERFORMANCE

Andersen® NFRC Certified Total Unit Performance

A-Series Windows

For current performance information please visit andersenwindows.com.

Andersen® Product			Glass Type	U-Factor¹	SHGC²	VT³
A-Series Casement Windows AND-N-86	IMPACT-RESISTANT	Low-E4*	Without Grilles	0.30	0.26	0.45
			Simulated Divided Light Grilles	0.31	0.24	0.40
			Finelight™ Light Grilles	0.30	0.24	0.40
			Full Divided Light Grilles	0.30	0.24	0.40
		Low-E4* Sun	Without Grilles	0.30	0.17	0.24
			Simulated Divided Light Grilles	0.30	0.15	0.22
			Finelight Light Grilles	0.31	0.15	0.22
			Full Divided Light Grilles	0.31	0.15	0.22
		Low-E4* SmartSun™	Without Grilles	0.29	0.18	0.40
			Simulated Divided Light Grilles	0.29	0.17	0.36
			Finelight Light Grilles	0.30	0.17	0.36
			Full Divided Light Grilles	0.30	0.17	0.36
A-Series Awning Windows AND-N-87	IMPACT-RESISTANT	Low-E4*	Without Grilles	0.30	0.26	0.43
			Simulated Divided Light Grilles	0.30	0.23	0.39
			Finelight™ Light Grilles	0.30	0.23	0.39
			Full Divided Light Grilles	0.30	0.23	0.39
		Low-E4* Sun	Without Grilles	0.30	0.16	0.24
			Simulated Divided Light Grilles	0.30	0.15	0.21
			Finelight Light Grilles	0.31	0.15	0.21
			Full Divided Light Grilles	0.31	0.15	0.21
		Low-E4* SmartSun™	Without Grilles	0.29	0.18	0.39
			Simulated Divided Light Grilles	0.29	0.16	0.35
			Finelight Light Grilles	0.30	0.16	0.35
			Full Divided Light Grilles	0.30	0.16	0.35
A-Series Double-Hung Windows AND-N-91	IMPACT-RESISTANT	Low-E4*	Without Grilles	0.31	0.30	0.51
			Simulated Divided Light Grilles	0.31	0.27	0.45
			Finelight™ Light Grilles	0.32	0.27	0.45
			Full Divided Light Grilles	0.32	0.27	0.45
		Low-E4* Sun	Without Grilles	0.32	0.19	0.28
			Simulated Divided Light Grilles	0.32	0.17	0.25
			Finelight Light Grilles	0.32	0.17	0.25
			Full Divided Light Grilles	0.33	0.17	0.25
		Low-E4* SmartSun™	Without Grilles	0.31	0.20	0.46
			Simulated Divided Light Grilles	0.31	0.18	0.41
			Finelight Light Grilles	0.32	0.18	0.41
			Full Divided Light Grilles	0.32	0.18	0.41
A-Series Picture Windows AND-N-88	IMPACT-RESISTANT	Low-E4*	Without Grilles	0.29	0.31	0.53
			Simulated Divided Light Grilles	0.29	0.28	0.47
			Finelight™ Light Grilles	0.30	0.28	0.47
			Full Divided Light Grilles	0.30	0.28	0.47
		Low-E4* Sun	Without Grilles	0.30	0.19	0.29
			Simulated Divided Light Grilles	0.30	0.17	0.25
			Finelight Light Grilles	0.31	0.17	0.25
			Full Divided Light Grilles	0.31	0.17	0.25
		Low-E4* SmartSun™	Without Grilles	0.29	0.21	0.47
			Simulated Divided Light Grilles	0.29	0.19	0.42
			Finelight Light Grilles	0.30	0.19	0.42
			Full Divided Light Grilles	0.30	0.19	0.42
A-Series Stationary Transom Windows AND-N-89	IMPACT-RESISTANT	Low-E4*	Without Grilles	0.30	0.31	0.53
			Simulated Divided Light Grilles	0.30	0.28	0.47
			Finelight™ Light Grilles	0.30	0.28	0.47
			Full Divided Light Grilles	0.31	0.28	0.47
		Low-E4* Sun	Without Grilles	0.30	0.20	0.29
			Simulated Divided Light Grilles	0.30	0.18	0.26
			Finelight Light Grilles	0.31	0.18	0.26
			Full Divided Light Grilles	0.31	0.18	0.26
		Low-E4* SmartSun™	Without Grilles	0.29	0.21	0.48
			Simulated Divided Light Grilles	0.29	0.19	0.43
			Finelight Light Grilles	0.30	0.19	0.43
			Full Divided Light Grilles	0.30	0.19	0.43
A-Series Venting Transom Windows AND-N-90	IMPACT-RESISTANT	Low-E4*	Without Grilles	0.30	0.27	0.45
			Simulated Divided Light Grilles	0.30	0.24	0.41
			Finelight™ Light Grilles	0.30	0.24	0.41
			Full Divided Light Grilles	0.30	0.24	0.41
		Low-E4* Sun	Without Grilles	0.30	0.17	0.25
			Simulated Divided Light Grilles	0.30	0.15	0.22
			Finelight Light Grilles	0.31	0.15	0.22
			Full Divided Light Grilles	0.31	0.15	0.22
		Low-E4* SmartSun™	Without Grilles	0.29	0.18	0.41
			Simulated Divided Light Grilles	0.29	0.17	0.37
			Finelight Light Grilles	0.30	0.17	0.37
			Full Divided Light Grilles	0.30	0.17	0.37

Notes on the next page also apply to this page.

Andersen® Product			Glass Type	U-Factor ¹	SHGC ²	VT ³
A-Series Direct-Set Specialty Windows (> 36 sq.ft. to 50 sq.ft. or 3.34 m ² to 4.65 m ²) AND-N-126	IMPACT-RESISTANT	Low-E4*	Without Grilles	0.28	0.34	0.56
			Simulated Divided Light Grilles	0.28	0.31	0.51
			Finelight™ Light Grilles	0.30	0.31	0.51
			Full Divided Light Grilles	0.29	0.31	0.51
		Low-E4* Sun	Without Grilles	0.29	0.21	0.30
			Simulated Divided Light Grilles	0.29	0.19	0.27
			Finelight Light Grilles	0.29	0.19	0.27
			Full Divided Light Grilles	0.30	0.19	0.27
		Low-E4* SmartSun™	Without Grilles	0.28	0.23	0.51
			Simulated Divided Light Grilles	0.28	0.21	0.45
			Finelight Light Grilles	0.28	0.21	0.45
			Full Divided Light Grilles	0.29	0.21	0.45
A-Series Sash-Set Specialty Windows (> 36 sq.ft. to 50 sq.ft. or 3.34 m ² to 4.65 m ²) AND-N-128	IMPACT-RESISTANT	Low-E4*	Without Grilles	0.35	0.31	0.51
			Simulated Divided Light Grilles	0.35	0.28	0.45
			Finelight™ Light Grilles	0.36	0.28	0.45
			Full Divided Light Grilles	0.37	0.28	0.45
		Low-E4* Sun	Without Grilles	0.35	0.20	0.27
			Simulated Divided Light Grilles	0.35	0.18	0.24
			Finelight Light Grilles	0.36	0.18	0.24
			Full Divided Light Grilles	0.37	0.18	0.24
		Low-E4* SmartSun™	Without Grilles	0.34	0.22	0.46
			Simulated Divided Light Grilles	0.34	0.20	0.41
			Finelight Light Grilles	0.36	0.20	0.41
			Full Divided Light Grilles	0.36	0.20	0.41

Andersen® NFRC Certified Total Unit Performance 400 Series Windows

For current performance information please visit andersenwindows.com.

Andersen® Product			Glass Type	U-Factor¹	SHGC²	VT³
400 Series Casement Windows AND-N-1	IMPACT-RESISTANT	Low-E4* Sun	Without Grilles	0.33	0.31	0.53
			Simulated Divided Light Grilles	0.33	0.29	0.48
			Finelight™ Light Grilles	0.34	0.29	0.48
			Full Divided Light Grilles	0.34	0.29	0.48
		Low-E4* SmartSun™	Without Grilles	0.33	0.20	0.29
			Simulated Divided Light Grilles	0.33	0.18	0.27
			Finelight Light Grilles	0.34	0.18	0.27
			Full Divided Light Grilles	0.34	0.18	0.27
		Monolithic CLEAR GRAY	Without Grilles	0.33	0.21	0.48
			Simulated Divided Light Grilles	0.33	0.20	0.43
			Finelight Light Grilles	0.34	0.20	0.43
			Full Divided Light Grilles	0.33	0.20	0.43
400 Series Awning Windows AND-N-2	IMPACT-RESISTANT	Low-E4* Sun	Without Grilles	0.79	0.58	0.66
			Simulated Divided Light Grilles	0.79	0.53	0.60
			Without Grilles	0.79	0.45	0.39
			Simulated Divided Light Grilles	0.79	0.41	0.36
		Low-E4* SmartSun™	Without Grilles	0.33	0.31	0.52
			Simulated Divided Light Grilles	0.33	0.28	0.47
			Finelight™ Light Grilles	0.34	0.28	0.47
			Full Divided Light Grilles	0.33	0.28	0.47
		Low-E4* SmartSun™	Without Grilles	0.34	0.20	0.29
			Simulated Divided Light Grilles	0.34	0.18	0.26
			Finelight Light Grilles	0.34	0.18	0.26
			Full Divided Light Grilles	0.34	0.18	0.26
Monolithic CLEAR GRAY	Without Grilles	0.33	0.21	0.47		
	Simulated Divided Light Grilles	0.33	0.19	0.42		
	Finelight Light Grilles	0.33	0.19	0.42		
	Full Divided Light Grilles	0.33	0.19	0.42		
400 Series Stationary Transom Windows AND-N-3	IMPACT-RESISTANT	Low-E4* Sun	Without Grilles	0.83	0.57	0.65
			Simulated Divided Light Grilles	0.83	0.52	0.59
			Without Grilles	0.83	0.44	0.39
			Simulated Divided Light Grilles	0.83	0.40	0.35
		Low-E4* SmartSun™	Without Grilles	0.83	0.40	0.35
			Simulated Divided Light Grilles	0.83	0.40	0.35
			Without Grilles	0.83	0.40	0.35
			Simulated Divided Light Grilles	0.83	0.40	0.35
		Monolithic CLEAR GRAY	Without Grilles	0.83	0.40	0.35
			Simulated Divided Light Grilles	0.83	0.40	0.35
			Without Grilles	0.83	0.40	0.35
			Simulated Divided Light Grilles	0.83	0.40	0.35

continued on next page

Andersen® NFRC Certified Total Unit Performance *(continued)*

400 Series Windows

For current performance information please visit andersenwindows.com.

Andersen® Product	Glass Type		U-Factor ¹	SHGC ²	VT ³
400 Series Casement/Awning Picture Windows AND-N-54	Low-E4®	Without Grilles	0.26	0.34	0.57
		Simulated Divided Light Grilles	0.26	0.31	0.51
		Finelight™ Light Grilles	0.26	0.31	0.51
		Full Divided Light Grilles	0.27	0.31	0.51
	Low-E4® Sun	Without Grilles	0.26	0.21	0.32
		Simulated Divided Light Grilles	0.26	0.19	0.28
		Finelight Light Grilles	0.26	0.19	0.28
		Full Divided Light Grilles	0.27	0.19	0.28
	Low-E4® SmartSun™	Without Grilles	0.25	0.23	0.51
		Simulated Divided Light Grilles	0.25	0.21	0.46
		Finelight Light Grilles	0.25	0.21	0.46
		Full Divided Light Grilles	0.26	0.21	0.46
	Monolithic GRAY CLEAR	Without Grilles	0.82	0.59	0.71
		Simulated Divided Light Grilles	0.82	0.53	0.64
		Without Grilles	0.82	0.48	0.36
		Simulated Divided Light Grilles	0.82	0.43	0.32
400 Series Tilt-Wash Double-Hung Windows AND-N-24	Low-E4®	Without Grilles	0.34	0.31	0.53
		Simulated Divided Light Grilles	0.34	0.28	0.47
		Finelight™ Light Grilles	0.36	0.28	0.47
		Full Divided Light Grilles	0.35	0.28	0.47
	Low-E4® Sun	Without Grilles	0.35	0.20	0.29
		Simulated Divided Light Grilles	0.35	0.18	0.26
		Finelight Light Grilles	0.36	0.18	0.26
		Full Divided Light Grilles	0.35	0.18	0.26
	Low-E4® SmartSun™	Without Grilles	0.34	0.21	0.47
		Simulated Divided Light Grilles	0.34	0.19	0.42
		Finelight Light Grilles	0.35	0.19	0.42
		Full Divided Light Grilles	0.35	0.19	0.42
	Monolithic GRAY CLEAR	Without Grilles	0.81	0.57	0.65
		Simulated Divided Light Grilles	n/a	n/a	n/a
		Without Grilles	0.81	0.44	0.39
		Simulated Divided Light Grilles	n/a	n/a	n/a
400 Series Tilt-Wash Transom Windows AND-N-76	Low-E4®	Without Grilles	0.26	0.31	0.54
		Simulated Divided Light Grilles	0.26	0.28	0.48
		Finelight™ Light Grilles	0.26	0.28	0.48
		Full Divided Light Grilles	0.27	0.28	0.48
	Low-E4® Sun	Without Grilles	0.27	0.19	0.30
		Simulated Divided Light Grilles	0.27	0.17	0.26
		Finelight Light Grilles	0.27	0.17	0.26
		Full Divided Light Grilles	0.28	0.17	0.26
	Low-E4® SmartSun™	Without Grilles	0.26	0.21	0.49
		Simulated Divided Light Grilles	0.26	0.19	0.44
		Finelight Light Grilles	0.26	0.19	0.44
		Full Divided Light Grilles	0.27	0.19	0.44
	Monolithic GRAY CLEAR	Without Grilles	0.79	0.58	0.67
		Simulated Divided Light Grilles	0.79	0.52	0.60
		Without Grilles	0.79	0.46	0.34
		Simulated Divided Light Grilles	0.79	0.42	0.31
400 Series Tilt-Wash Picture Windows AND-N-27	Low-E4®	Without Grilles	0.32	0.33	0.55
		Simulated Divided Light Grilles	0.32	0.29	0.49
		Finelight™ Light Grilles	0.33	0.29	0.49
		Full Divided Light Grilles	0.32	0.29	0.49
	Low-E4® Sun	Without Grilles	0.32	0.20	0.30
		Simulated Divided Light Grilles	0.32	0.18	0.27
		Finelight Light Grilles	0.34	0.18	0.27
		Full Divided Light Grilles	0.32	0.18	0.27
	Low-E4® SmartSun™	Without Grilles	0.31	0.22	0.49
		Simulated Divided Light Grilles	0.31	0.20	0.44
		Finelight Light Grilles	0.33	0.20	0.44
		Full Divided Light Grilles	0.32	0.20	0.44
	Monolithic GRAY CLEAR	Without Grilles	n/a	n/a	n/a
		Simulated Divided Light Grilles	n/a	n/a	n/a
		Without Grilles	n/a	n/a	n/a
		Simulated Divided Light Grilles	n/a	n/a	n/a

Andersen® Product	Glass Type		U-Factor ¹	SHGC ²	VT ³
400 Series Half Circle - Casement/Awning, Circle & Oval Windows AND-N-54	Low-E4®	Without Grilles	0.26	0.34	0.57
		Simulated Divided Light Grilles	0.26	0.31	0.51
		Finelight™ Light Grilles	0.26	0.31	0.51
		Full Divided Light Grilles	0.27	0.31	0.51
	Low-E4® Sun	Without Grilles	0.26	0.21	0.32
		Simulated Divided Light Grilles	0.26	0.19	0.28
		Finelight Light Grilles	0.26	0.19	0.28
		Full Divided Light Grilles	0.27	0.19	0.28
	Low-E4® SmartSun™	Without Grilles	0.25	0.23	0.51
		Simulated Divided Light Grilles	0.25	0.21	0.46
		Finelight Light Grilles	0.25	0.21	0.46
		Full Divided Light Grilles	0.26	0.21	0.46
	Monolithic GRAY CLEAR	Without Grilles	0.82	0.59	0.71
		Simulated Divided Light Grilles	0.82	0.53	0.64
		Without Grilles	0.82	0.48	0.36
		Simulated Divided Light Grilles	0.82	0.43	0.32
400 Series Half Circle - Double-Hung Windows AND-N-7	Low-E4®	Without Grilles	0.27	0.33	0.56
		Simulated Divided Light Grilles	0.27	0.30	0.50
		Finelight™ Light Grilles	0.28	0.30	0.50
		Full Divided Light Grilles	0.28	0.30	0.50
	Low-E4® Sun	Without Grilles	0.27	0.21	0.31
		Simulated Divided Light Grilles	0.27	0.19	0.28
		Finelight Light Grilles	0.28	0.19	0.28
		Full Divided Light Grilles	0.28	0.19	0.28
	Low-E4® SmartSun™	Without Grilles	0.26	0.22	0.50
		Simulated Divided Light Grilles	0.26	0.20	0.45
		Finelight Light Grilles	0.27	0.20	0.45
		Full Divided Light Grilles	0.27	0.20	0.45
	Monolithic GRAY CLEAR	Without Grilles	0.81	0.58	0.70
		Simulated Divided Light Grilles	n/a	n/a	n/a
		Without Grilles	0.81	0.47	0.36
		Simulated Divided Light Grilles	n/a	n/a	n/a
400 Series Arch Windows AND-N-18	Low-E4®	Without Grilles	0.27	0.33	0.56
		Simulated Divided Light Grilles	0.27	0.30	0.50
		Finelight™ Light Grilles	0.29	0.30	0.50
		Full Divided Light Grilles	0.29	0.30	0.50
	Low-E4® Sun	Without Grilles	0.28	0.20	0.30
		Simulated Divided Light Grilles	0.28	0.18	0.27
		Finelight Light Grilles	0.29	0.18	0.27
		Full Divided Light Grilles	0.29	0.18	0.27
	Low-E4® SmartSun™	Without Grilles	0.27	0.23	0.50
		Simulated Divided Light Grilles	0.27	0.20	0.45
		Finelight Light Grilles	0.28	0.20	0.45
		Full Divided Light Grilles	0.28	0.20	0.45
	Monolithic GRAY CLEAR	Without Grilles	0.83	0.59	0.71
		Simulated Divided Light Grilles	0.83	0.53	0.64
		Without Grilles	0.83	0.48	0.36
		Simulated Divided Light Grilles	0.83	0.43	0.32
400 Series Springline™ Windows AND-N-25	Low-E4®	Without Grilles	0.30	0.33	0.56
		Simulated Divided Light Grilles	0.30	0.30	0.50
		Finelight™ Light Grilles	0.32	0.30	0.50
		Full Divided Light Grilles	0.32	0.30	0.50
	Low-E4® Sun	Without Grilles	0.31	0.20	0.30
		Simulated Divided Light Grilles	0.31	0.18	0.27
		Finelight Light Grilles	0.32	0.18	0.27
		Full Divided Light Grilles	0.32	0.18	0.27
	Low-E4® SmartSun™	Without Grilles	0.30	0.23	0.50
		Simulated Divided Light Grilles	0.30	0.21	0.45
		Finelight Light Grilles	0.31	0.21	0.45
		Full Divided Light Grilles	0.31	0.21	0.45
	Monolithic GRAY CLEAR	Without Grilles	0.85	0.59	0.71
		Simulated Divided Light Grilles	0.85	0.54	0.64
		Without Grilles	0.85	0.48	0.36
		Simulated Divided Light Grilles	0.85	0.43	0.32

continued on next page

• "Low-E4" SmartSun™, "Low-E4" and "Low-E4" Sun are Andersen trademarks for "Low-E" glass.

1) U-Factor defines the amount of heat loss through the total unit in BTU/hr/ft². °F. The lower the value, the less heat is lost through the entire product. Window values represent non-tempered glass. Use of tempered glass can increase U-Factor ratings. See andersenwindows.com/nfrc for specific performance values. Door values represent tempered glass. 2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product. 3) Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.

• NFRC ratings are based on modeling by a third party agency as validated by an independent test lab in compliance with NFRC program and procedural requirements.

• This data is accurate as of October, 2013. Due to ongoing product changes, updated test results, or new industry standards or requirements, this data may change over time. Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on use of tempered glass, different grille options, glass for high altitudes, etc.

PRODUCT PERFORMANCE

Andersen® NFRC Certified Total Unit Performance *(continued)*

400 Series Windows

For current performance information please visit andersenwindows.com.

Andersen® Product	Glass Type		U-Factor ¹	SHGC ²	VT ³	
400 Series Flexiframe® Windows AND-N-17	IMPACT-RESISTANT	Low-E4®	Without Grilles	0.27	0.33	0.56
			Simulated Divided Light Grilles	0.27	0.30	0.50
			Finelight™ Light Grilles	0.28	0.30	0.50
			Full Divided Light Grilles	0.28	0.30	0.50
		Low-E4® Sun	Without Grilles	0.27	0.20	0.30
			Simulated Divided Light Grilles	0.27	0.18	0.27
			Finelight Light Grilles	0.28	0.18	0.27
			Full Divided Light Grilles	0.28	0.18	0.27
		Low-E4® SmartSun™	Without Grilles	0.26	0.22	0.50
			Simulated Divided Light Grilles	0.26	0.20	0.45
			Finelight Light Grilles	0.27	0.20	0.45
			Full Divided Light Grilles	0.27	0.20	0.45
		Monolithic GRAY CLEAR	Without Grilles	0.82	0.59	0.71
			Simulated Divided Light Grilles	0.82	0.53	0.63
			Without Grilles	0.82	0.48	0.36
			Simulated Divided Light Grilles	0.82	0.43	0.32

Andersen® NFRC Certified Total Unit Performance

A-Series Patio Doors

For current performance information please visit andersenwindows.com.

Andersen® Product	Glass Type		U-Factor ¹	SHGC ²	VT ³	
A-Series Frenchwood® Gliding Patio Doors AND-N-99	IMPACT-RESISTANT	Low-E4®	Without Grilles	0.32	0.26	0.44
			Simulated Divided Light Grilles	0.32	0.23	0.38
			Finelight™ Light Grilles	0.33	0.23	0.38
			Full Divided Light Grilles	0.33	0.23	0.38
		Low-E4® Sun	Without Grilles	0.32	0.16	0.24
			Simulated Divided Light Grilles	0.32	0.15	0.21
			Finelight Light Grilles	0.34	0.15	0.21
			Full Divided Light Grilles	0.33	0.15	0.21
		Low-E4® SmartSun™	Without Grilles	0.31	0.18	0.40
			Simulated Divided Light Grilles	0.31	0.16	0.34
			Finelight Light Grilles	0.33	0.16	0.34
			Full Divided Light Grilles	0.32	0.16	0.34
		Monolithic GRAY CLEAR	Without Grilles	0.70	0.46	0.54
			SmartSun™	0.70	0.40	0.46
			Without Grilles	0.70	0.34	0.27
			Simulated Divided Light Grilles	0.70	0.29	0.23
A-Series Frenchwood® Hinged Inswing Patio Doors AND-N-92	IMPACT-RESISTANT	Low-E4®	Without Grilles	0.32	0.24	0.40
			Simulated Divided Light Grilles	0.32	0.21	0.34
			Finelight™ Light Grilles	0.33	0.21	0.34
			Full Divided Light Grilles	0.33	0.21	0.34
		Low-E4® Sun	Without Grilles	0.32	0.15	0.22
			Simulated Divided Light Grilles	0.32	0.13	0.19
			Finelight Light Grilles	0.34	0.13	0.19
			Full Divided Light Grilles	0.33	0.13	0.19
		Low-E4® SmartSun™	Without Grilles	0.31	0.16	0.36
			Simulated Divided Light Grilles	0.31	0.14	0.31
			Finelight Light Grilles	0.33	0.14	0.31
			Full Divided Light Grilles	0.32	0.14	0.31
		Monolithic GRAY CLEAR	Without Grilles	0.67	0.41	0.49
			Simulated Divided Light Grilles	n/a	n/a	n/a
			Without Grilles	0.67	0.34	0.25
			Simulated Divided Light Grilles	n/a	n/a	n/a
A-Series Frenchwood® Hinged Outswing Patio Doors AND-N-93	IMPACT-RESISTANT	Low-E4®	Without Grilles	0.31	0.24	0.40
			Simulated Divided Light Grilles	0.31	0.21	0.34
			Finelight™ Light Grilles	0.33	0.21	0.34
			Full Divided Light Grilles	0.32	0.21	0.34
		Low-E4® Sun	Without Grilles	0.32	0.15	0.22
			Simulated Divided Light Grilles	0.32	0.13	0.19
			Finelight Light Grilles	0.33	0.13	0.19
			Full Divided Light Grilles	0.33	0.13	0.19
		Low-E4® SmartSun™	Without Grilles	0.31	0.17	0.36
			Simulated Divided Light Grilles	0.31	0.15	0.31
			Finelight Light Grilles	0.33	0.15	0.31
			Full Divided Light Grilles	0.32	0.15	0.31
		Monolithic GRAY CLEAR	Without Grilles	0.67	0.42	0.49
			Simulated Divided Light Grilles	n/a	n/a	n/a
			Without Grilles	0.67	0.34	0.25
			Simulated Divided Light Grilles	n/a	n/a	n/a

Andersen® Product	Glass Type		U-Factor¹	SHGC²	VT³	
A-Series Frenchwood® Patio Door Sash-Set Transoms & Sidelight Transoms AND-N-95	IMPACT-RESISTANT	Low-E4®	Without Grilles	0.31	0.25	0.42
			Simulated Divided Light Grilles	0.31	0.23	0.38
			Finelight™ Light Grilles	0.32	0.23	0.38
			Full Divided Light Grilles	0.32	0.23	0.38
		Low-E4® Sun	Without Grilles	0.31	0.16	0.23
			Simulated Divided Light Grilles	0.31	0.14	0.21
			Finelight Light Grilles	0.32	0.14	0.21
			Full Divided Light Grilles	0.32	0.14	0.21
		Low-E4® SmartSun™	Without Grilles	0.31	0.17	0.38
			Simulated Divided Light Grilles	0.31	0.16	0.34
			Finelight Light Grilles	0.32	0.16	0.34
			Full Divided Light Grilles	0.31	0.16	0.34
		Monolithic GRAY CLEAR	Without Grilles	0.70	0.42	0.49
			Simulated Divided Light Grilles	0.70	0.38	0.44
			Without Grilles	0.70	0.31	0.25
			Simulated Divided Light Grilles	0.70	0.28	0.22
A-Series Frenchwood® Patio Door Direct-Set Transoms & Sidelight Transoms AND-N-96	IMPACT-RESISTANT	Low-E4®	Without Grilles	0.30	0.33	0.57
			Simulated Divided Light Grilles	0.30	0.30	0.51
			Finelight™ Light Grilles	0.30	0.30	0.51
			Full Divided Light Grilles	0.31	0.30	0.51
		Low-E4® Sun	Without Grilles	0.30	0.21	0.31
			Simulated Divided Light Grilles	0.30	0.19	0.28
			Finelight Light Grilles	0.31	0.19	0.28
			Full Divided Light Grilles	0.31	0.19	0.28
		Low-E4® SmartSun™	Without Grilles	0.29	0.23	0.51
			Simulated Divided Light Grilles	0.29	0.21	0.46
			Finelight Light Grilles	0.30	0.21	0.46
			Full Divided Light Grilles	0.30	0.21	0.46
		Monolithic GRAY CLEAR	Without Grilles	0.84	0.58	0.69
			Simulated Divided Light Grilles	0.84	0.53	0.63
			Without Grilles	0.84	0.43	0.35
			Simulated Divided Light Grilles	0.84	0.39	0.31
A-Series Frenchwood® Patio Door Sidelights AND-N-94	IMPACT-RESISTANT	Low-E4®	Without Grilles	0.31	0.23	0.37
			Simulated Divided Light Grilles	0.31	0.20	0.33
			Finelight™ Light Grilles	0.33	0.20	0.33
			Full Divided Light Grilles	0.32	0.20	0.33
		Low-E4® Sun	Without Grilles	0.32	0.14	0.20
			Simulated Divided Light Grilles	0.32	0.13	0.18
			Finelight Light Grilles	0.33	0.13	0.18
			Full Divided Light Grilles	0.32	0.13	0.18
		Low-E4® SmartSun™	Without Grilles	0.31	0.16	0.34
			Simulated Divided Light Grilles	0.31	0.14	0.30
			Finelight Light Grilles	0.32	0.14	0.30
			Full Divided Light Grilles	0.32	0.14	0.30
		Monolithic GRAY CLEAR	Without Grilles	0.65	0.39	0.46
			Simulated Divided Light Grilles	n/a	n/a	n/a
			Without Grilles	0.65	0.32	0.23
			Simulated Divided Light Grilles	n/a	n/a	n/a

• "Low-E4" SmartSun™, "Low-E4"™ and "Low-E4" Sun are Andersen trademarks for "Low-E" glass.

1) U-Factor defines the amount of heat loss through the total unit in BTU/hr/ft². °F. The lower the value, the less heat is lost through the entire product. Window values represent non-tempered glass. Use of tempered glass can increase U-Factor ratings. See andersenwindows.com/nfrc for specific performance values. Door values represent tempered glass. 2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product. 3) Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.

• NFRC ratings are based on modeling by a third party agency as validated by an independent test lab in compliance with NFRC program and procedural requirements.

• This data is accurate as of October, 2013. Due to ongoing product changes, updated test results, or new industry standards or requirements, this data may change over time. Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on use of tempered glass, different grille options, glass for high altitudes, etc.

About the NFRC

The National Fenestration Rating Council (NFRC) is a nonpartisan coalition of professionals whose purpose is to provide fair, accurate and credible energy performance ratings for fenestration products. NFRC's membership includes manufacturers, suppliers, designers, specifiers, utility companies, government agencies and other building industry representatives.

Andersen Corporation is a founding member of the NFRC and continues to support its work by providing fair, accurate and credible energy performance ratings to consumers and the building industry. If you have any questions about the NFRC, its program or energy performance ratings, write them at: NFRC, 6305 Ivy Lane, Suite 140, Greenbelt, MD 20770, Tel: (301) 589-1776 Website: www.nfrc.org

About the Label

Look for this certification label on every window and patio door you buy. The NFRC section was designed by the National Fenestration Rating Council to provide accurate information that helps you promote the energy efficiency of the homes you build. These ratings allow you - and your customers - to measure and compare the energy performance of similar products. If the product does not have this label, the NFRC has not verified its claims.

Energy Rating (ER) represents "Energy Rating" and is a rating used in Canada for product comparison purposes (the higher the ER number, the more energy saved during the heating season).

U-Factor indicates how well a product prevents heat from escaping (the lower the number, the better).

Visible Transmittance refers to how much visible light comes through a product (the closer to 1.0, the more light is transmitted).

WDMA Hallmark Certification verifies the performance ratings of this product were tested by a third party testing laboratory.

Test Standards

Florida Product Approval

Number, Miami-Dade County

Notice of Acceptance (NOA)

Number or Texas Department

of Insurance (TDI) Number

Do not remove until final code inspection. Save label for future reference.

18 CSA A440.2 Energy Rating Rendement Énergétique		Qualified for highlighted area. Répond aux exigences pour les régions indiquées.	
Canada 1 800 387-2000 energystar.gc.ca U.S. / É.U. 1 888 782-7937 energystar.gov			
Andersen			
Casement Picture Window AND-N-54 01190-00001 Vinyl-Clad Wood Frame, Dual-Pane Low-E Impact Resistant Glazing with Argon Product Type: Fixed			
ENERGY PERFORMANCE RATINGS			
U-Factor 0.26 (U.S./I-P)		Solar Heat Gain Coefficient 0.34	
Visible Transmittance 0.57		-	
Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for specific use. Consult manufacturer's literature for other product performance information. www.nfrc.org			
WDMA WINDOW AND DOOR MANUFACTURERS ASSOCIATION www.wdma.com			
HALLMARK			
CCL# 129-H-774 ANDERSEN CORPORATION: 400 SERIES CASEMENT PICTURE WINDOW Manufacturer Stipulates Conformance to the following standards.			
STANDARD		RATING	
AAMA/WDMA/CSA 101/1.5.2/A440-08		CLASS LC-PG50 SIZE TESTED 60" x 72" DP+50/-65	
AAMA/WDMA/CSA 101/1.5.2/A440-05		PW-C50 SIZE TESTED 60" x 72" DP+50/-65	
ASTM E1886-02 & E1996-02		Windzone 4, Missile Level D Cycle Pressure +50/-65	
FL 1092		-	
Glazing: 4.0mm AN outer/11.7mm LG (4.7mm AN/4.7mm AN) inner Laminator: Cardinal Interlayer: Dupont SentryGlasPlus (0.090 M)			
This product meets Green Seal's environmental standards governing energy efficiency, heavy metals in the frame and sash materials, packaging, and consumer education materials.		Complies with HUD UM Bulletin 111 701608063PKU-1	
Meets or exceeds M.E.C., C.E.C., & I.E.C.C. Air Infiltration Requirements WDMA Hallmark Certification Program			

ENERGY STAR Climate Zone Map

is based on U-factor and solar heat gain coefficient criteria for specific ENERGY STAR climate zones within the United States and Canada. The shading of the map shows which climate zone(s) a particular product and glass type is ENERGY STAR qualified in.

Solar Heat Gain Coefficient

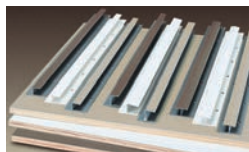
measures how well a product blocks heat caused by sunlight (the lower the number, the more it will help reduce the use of air conditioning and as a result reduce electrical bills and energy use).

Performance Grade (PG) and Design Pressure (DP) Ratings

Impact-Resistant Glass Construction

INSTALLATION ACCESSORIES

We have listed optional accessories below that complement the units featured in this product guide. You'll also find key considerations regarding the use and installation of every Andersen® product. Keep the instruction guidelines and safety information in mind when considering the installation and use of any Andersen product. Should you have any questions, contact your local Andersen supplier. Thank you for considering and using Andersen products.



VINYL CHANNELS AND LAMINATED BOARD

Rigid vinyl "J," "h" and "H" channel and vinyl laminated board.



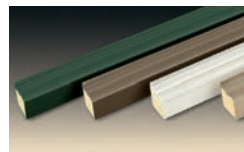
EXTENSION JAMBS

Available for most Andersen products. See individual sections for details.



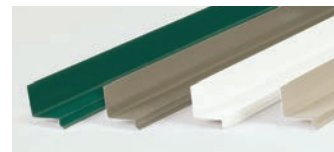
FIBREX® TRIM BOARD

Andersen offers a 3 1/2" (89) wide by 3/4" (19) thick cellular Fibrex® trim board in 10' (3048) lengths. Available in the same 11 colors as the exterior trim system, this solid trim board can be cut or ripped to size and can be fastened using nails or screws.



AUXILIARY CASING

Auxiliary casings consist of a wood core treated with water-repellent preservative and sheathed in rigid vinyl. They are available in White, Canvas, Sandtone, Terratone, Forest Green and Dark Bronze colors. The dimensions are 1 3/16" (30) by 1 3/16" (30) in 150" (3810) lengths.



CONTINUOUS DRIP CAP

- Included on 400 Series with side-by-side (vertical) joins
- Available in any of the 11 trim colors
- Heavy 24-gauge corrosion-resistant aluminum construction
- Available in 6' (1829), 10' (3048) and 12'-7 1/2" (3848) lengths

	COLOR	LENGTH	DEPTH	WIDTH
Auxiliary Trim Board	6 colors	150" (3810)	1 3/16" (19)	1 3/16" (19)
Fibrex Trim Board	11 colors	120" (3048)	3/4" (19)	3 1/2" (89)
Vinyl Laminated Board	W,S,T	96" (2438)	1/2" (13)	24" (610)
	W	96" (2438)	1/2" (13)	48" (1219)
	W	120" (3048)	1/2" (13)	48" (1219)
Rigid Vinyl "H" Channel	W	84" & 150" (2134 & 3810)	3/4" (19)	1" (25)
	S,T	84" & 150" (2134 & 3810)	3/4" (19)	3/4" (19)
Rigid Vinyl "h" Channel	W,S,T	150" (3810)	1/2" (13)	1" (25)
Rigid Vinyl "J" Channel	W,S,T	150" (3810)	1/2" (13)	3/4" (19)

COLOR-MATCHED SEALANT

Color-matched sealant is available in Andersen exterior colors. This high-quality sealant can be used during the installation of all Andersen products.



COIL STOCK

Andersen aluminum coil stock can be ordered to match any of our 11 trim colors. Made from .019-gauge aluminum, Andersen coil stock is available in 24" x 50" (610 x 1270) rolls. Color-matched 1 1/4" (32) stainless steel trim nails are also available and can be ordered in 1 lb. or .454 kg boxes.

GENERAL NOTES

When ordering, make certain you specify, then verify, the exact product, unit dimensions, configuration requirements, color and options you desire on each window or patio door. Before installing the product, we suggest you verify that it includes the features and options you ordered. Visit andersenwindows.com for product installation and joining guides. Printing limitations prohibit exact color duplication of products. View actual samples for building specifications.

Andersen Corporation reserves the right to change details, specifications or sizes without notice. The customer assumes all risk of alterations made to Andersen products.

IMPORTANCE OF PROPER INSTALLATION

Proper installation and maintenance of Andersen products is essential to attain optimum performance and operation. Written installation instructions that provide guidelines for proper installation are typically provided with Andersen products. They are also available from your local Andersen supplier or by visiting andersenwindows.com. Remember that every installation is different, and Andersen strongly recommends consultation with the local supplier or an experienced contractor, architect or structural engineer prior to the installation of any Andersen product. The method of attachment for Andersen products, fastener selection and code compliance is the responsibility of the architect, building owner, contractor, installer and/or consumer.

For more complete installation details, visit andersenwindows.com or see your Andersen supplier.

CODES

Appropriate selection of Andersen products that conform to all applicable laws, ordinances, building codes and safety requirements is the sole responsibility of the architect, designer, building owner and/or contractor. Check with your local building code officials for specific information. Unit wind load, performance grade and energy performance information is provided on pages 193–214. For up-to-date product performance information, visit andersenwindows.com.

The performance of any building system depends on the design and construction of the building system in its entirety, which should meet building code requirements, as well as address product and material limitations and local environment and climate.

DRIP CAPS

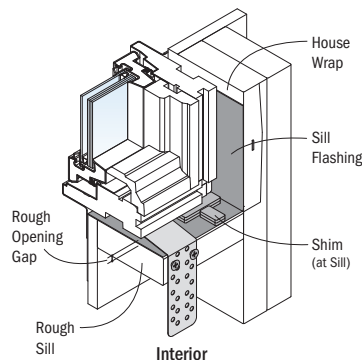
Drip caps are a specific type of flashing or trim that is used at the head of a window or door to direct water from the drainage plane out beyond the face of the unit.

Dimensions in parentheses are in millimeters.

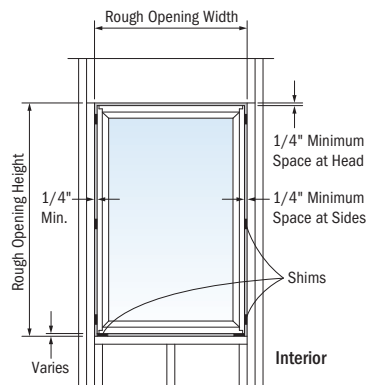
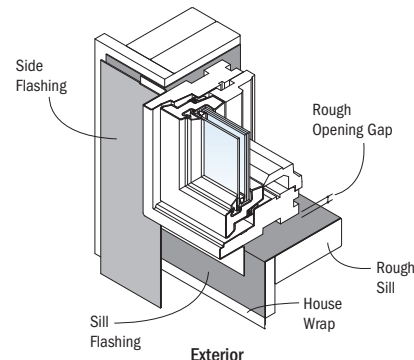
INSTALLATION

ROUGH OPENINGS

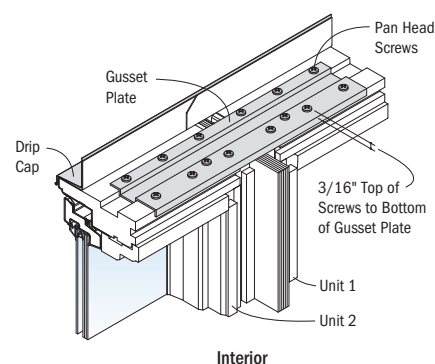
The purpose of a rough opening is to allow for proper spacing between the window or patio door unit and the building structure. The space is required for locating, leveling and squaring the unit during installation and to provide an area for insulation. A rough opening that is incorrectly sized may affect unit operation and may not allow for adequate fastening of the unit to the building structure. Andersen rough opening dimensions are provided as a guideline to help determine the minimum amount of space needed between the window or patio door and the building structure. See appropriate product sections for rough opening guidelines for each product.



Example of sill flashing in a membrane drainage system.



Example of window unit installed using Andersen published minimum rough opening dimensions.



Example of two units joined together with the use of gusset plates and pan head screws that will require additional rough opening space.

Keep in mind that rough opening dimensions may need to be altered from published guidelines, depending on installation methods, joining methods, replacement methods, etc. For example, flashing systems can reduce the amount of available rough opening space and should be factored in when calculating rough opening dimensions. The use of support or joining materials will encroach on the rough opening and may require additional rough opening space between the unit and the building

structure, depending on the thickness of the flashing system and joining materials used. To facilitate drainage, the sill plate should never slope toward the interior. For challenging environments and other information, refer to EEBA's (Energy and Environmental Building Association) Water Management Guide (www.eeba.org).

INFORMATION

FLASHING

Flashing is an important element in a building's water management system. It is used to shed and direct water to the building exterior or to the drainage plane. Flashing materials are typically applied starting from the bottom and working upward, with each successive layer overlapping the previous one in shingle fashion. Water infiltration problems in any type of building can be reduced by properly flashing and/or sealing around all building openings, including windows and doors.

SEALANTS

Sealants are elastic materials used to block the passage of water and/or air while allowing movement between the two sides of the joint. A sealant should bond tightly and be able to expand and contract to accommodate joint movement without cracking or tearing away from the substrate. Surfaces must be clean, dry and sound for adequate sealant adhesion. Choose a sealant that is compatible with, and that will adhere adequately to, all building materials used in the window area.

Proper sealant joint design is based upon the expected movement of adjacent materials and the movement capability of the sealant. A general rule of thumb is that the depth of the sealant joint should be equal to half the width ($D = W/2$), but generally not less than $\frac{1}{4}$ " (6) or more than $\frac{1}{2}$ " (13). Foam-plastic backer rod can be used to limit the depth of the sealant joint, to provide a backstop for tooling the sealant without damage to the bond. It also acts as a bond breaker to help minimize stress in the sealant.

USE OF SHIMS

Shims are often used along the side jambs of windows and doors to center the unit in the rough opening and to position it plumb, level and square. In addition, shims are always required under the sill at the side jambs to lift it off the rough sill. Shims also enable a straight frame for proper weatherstrip contact and unit operation. If not placed properly, unit performance and operation can be affected. Use waterproof shims capable of supporting the weight of the product. When using tapered shims, use them in pairs with the tapers opposing each other to avoid tilting the unit or twisting (rotating) of the jambs.

Dimensions in parentheses are in millimeters.

INSTALLATION ACCESSORIES

GENERAL INSTALLATION GUIDELINES

1. Read and follow the installation guide in its entirety.
2. Decide whether you are integrating to a surface barrier or a membrane drainage system before installing the product. The appropriate method for your installation may vary based on building design, application and industry practices.
3. Make certain the drainage plane is continuous (proper overlaps to shed water, taped seams, etc.).
4. Andersen® products should be installed only in the vertical position.
5. Check the rough opening to make sure it is sized properly, is square and is level.
6. Install the window plumb.
7. Install the window level.
8. Install the window square (diagonal measurements should be within $\frac{1}{8}$ " (3)).
9. Follow installation instructions to properly locate shims and to make sure that units are plumb, level and square. Shims are always required under the window jambs at the sill and along the jambs on the sides.
10. Check for squareness of unit before final anchoring of the product into the wall.
11. Anchor the window properly with appropriate fasteners as directed.
12. Integrate the window into the drainage plane of the wall using quality flashing and sealing materials. All flashing materials should be properly overlapped to shed water.
13. Allow $\frac{1}{4}$ " (6) minimum space for a sealant joint around perimeter of unit between exterior finish materials and unit.
14. Insulate and seal the interior cavity between the window frame and the rough opening.
15. Check unit operation before application of interior trim.
16. Stain and/or seal all unfinished wood surfaces promptly to minimize moisture absorption.

SAFETY GLASS

Unless specifically ordered, Andersen® windows with Low-E4® impact-resistant glass are not made with safety glass on the outside light, and, if broken, the glass could fragment, causing injury. Andersen windows may be ordered with tempered glass, which may reduce the likelihood of injury when broken. All Andersen patio doors are made with tempered or tempered laminated glass. Differences in appearance between tempered and non-tempered glass can be expected. Slight visual distortions may be noticeable and occur normally as a result of the tempering process. Building codes require safety glass in locations adjacent to or near doors or at other locations.

WINDOW AND PATIO DOOR SAFETY

Windows may provide a secondary avenue of escape or rescue in an emergency, such as a fire. Every family should develop an escape plan and make sure family members know how to escape from the home in an emergency. In your plan, include two ways to escape from every room in case one way is blocked by fire or smoke, and make sure you have a designated meeting place outside. A window or a door is an alternate means of escape or rescue. Practice your plan until each member of the family understands it and is able to escape without assistance. Remember, you may not be able to reach children during a fire emergency. Teach children – even very young children – that they must escape from a fire in the home and never hide from the fire or from emergency personnel.

The Consumer Product Safety Commission has said: “Keep children away from open windows to prevent falls. Don’t depend on insect screens to keep the child from falling out of the window. They are designed to keep insects out, not children in. Avoid placing furniture near windows to keep children from climbing to a window seat or sill.”

In an effort to educate consumers about the potential for child falls from windows, Andersen Corporation created the LookOut For Kids® Program. It combines a window and door safety brochure and specific product instructions to help make window and door safety an important priority for consumers. For more information on child safety, write:

Andersen Corporation
LookOut For Kids® Program
100 Fourth Avenue North
Bayport, MN 55003
Call 1-800-313-8889 or email
us at: lofk@andersencorp.com

**Look
OUT!**
for kids®

IMPACT GLASS UNITS NOTICE

Please note that Andersen® Stormwatch® products with impact-resistant glass are not hurricane- or shatter-proof. However, Andersen products with Stormwatch® protection glazed with impact-resistant glass are less susceptible to object penetration when broken than units glazed with other types of glass. Coastal products are tested to the impact performance requirements of The Large Missile Test of ASTM E1996/E1886 and/or Miami-Dade TAS201, 202, 203. Coastal products with impact-resistant glass have been tested for air, water and structural performance based on the requirements of a specific product performance rating. However, when these units are subjected to intense storms or extreme conditions, which exceed the intended product performance rating, air and water infiltration and flying debris penetration may occur.

In the event of an intense storm or extreme weather conditions, DO NOT stand in front of windows and doors. Make sure all windows and doors are closed, locked and any auxiliary hardware (tilt-wash retractable brackets) are engaged. Remove all window and door accessories such as grilles, art glass panels and insect screens. Seek safety at approved evacuation locations. If none are available, follow your community’s predetermined evacuation route to a safe location.

EXTERIOR PAINTING/SEALING OF ANDERSEN® PRODUCTS

The exterior of some Andersen products may be painted or stained. However, improper painting and staining may cause damage to vinyl, aluminum and other exterior materials. Please refer to the individual product sections for details on painting Andersen product exteriors.

CAUTIONS

1. Do not apply any type of film to insulating glass. Thermal stress and glass damage can result. Andersen Corporation is not responsible for product performance when films are applied to Andersen products.
2. The use of removable insulating materials such as insulated window coverings, shutters and other shading devices may also cause thermal stress conditions and/or deformation of protective vinyl. In addition, excessive condensation may result, which can have a deteriorating effect on the window or patio door unit(s) involved. Andersen Corporation is not responsible for product performance when these kinds of materials or devices are applied to or used in conjunction with Andersen products.
3. In wall construction utilizing brick facades, leave adequate clearance between sill, jambs and brick for sealing and dimensional change of framework.
4. Acid solutions commonly used to wash brick and other masonry materials will damage glass, fasteners, hardware and metal flashing. Protect unit and follow cleaning product instructions carefully. Damage caused by acid solution is not covered under the Andersen limited warranty.
5. Andersen windows may be combined in almost unlimited ribbons or stacks if each unit is positively secured to structural elements on opposing sides and if the proper joining system is used. See page 193 for more information.

Andersen® windows and doors can make significant contributions to the success of sustainable design strategies.

There are a number of recognized rating systems that identify and credit decisions that improve the environmental impact of building projects, including the U. S. Green Building Council (USGBC) Leadership in Energy and Environmental Design (LEED) Green Building Rating System for New Construction, the USGBC LEED Homes Rating System, and the National Association of Home Builders (NAHB) National Green Building Standard. The following sections examine the categories where Andersen products align with these key rating systems.

USGBC LEED-NEW CONSTRUCTION v3

USGBC LEED-New Construction (NC) v3 is a comprehensive green building rating system for commercial projects covering six categories. Each category contains multiple credit point guidelines for a project team to consider during design, construction, and operation of the building. The credit points are then totaled to achieve one of four levels of certification: Certified, Silver, Gold or Platinum. Andersen® windows and patio doors may assist your project strategy in the following USGBC LEED-NC credits:

Sustainable Sites

Water Efficiency

Energy & Atmosphere

- * Minimum level of energy efficiency for building and systems
- * Achieve levels of energy efficiency above prerequisite baseline
- * Encourage on-site renewable energy
- * Encourage the use of grid-source, renewable energy

Materials & Resources

- * Recyclable packaging
- * Materials with recycled content
- * Materials of regional origin*
- * Forest Stewardship Council (FSC) wood-based materials

Indoor Environmental Quality

- * Minimum indoor air quality – naturally vented
- * Improve indoor air quality – naturally vented
- * Low VOC emitting adhesives and sealants
- * Low VOC emitting paints and coatings
- * Composite wood contains no urea-formaldehyde
- * Provide thermal comfort for spaces
- * Provide daylight for spaces
- * Provide exterior views for spaces

USGBC LEED-HOMES V2008

USGBC LEED-Homes v2008 is a comprehensive green building rating system for residential projects covering eight categories. Each category contains multiple credit point guidelines for a project team to consider during design, construction, and function of the building. The credit points are then totaled to achieve one of four levels of certification: Certified, Silver, Gold or Platinum. Andersen windows and patio doors may assist your project strategy in the following USGBC LEED-Homes credits:

Innovation & Design

- * Wall openings incorporating air and water management systems

Location & Linkages

Sustainable Sites

Water Efficiency

Energy & Atmosphere

- * Meet requirements of ENERGY STAR for homes
- * Exceed requirements of ENERGY STAR for homes
- * Meet requirements of ENERGY STAR for air leakage
- * Exceed requirements of ENERGY STAR for air leakage
- * Meet requirements of ENERGY STAR labeled windows
- * Exceed requirements of ENERGY STAR labeled windows

Materials & Resources

- * Environmentally preferable products; recycled content
- * Environmentally preferable products; FSC-certified
- * Waste reduction; recyclable packaging

Indoor Environmental Air Quality

- * Pre-occupancy flush of home with fresh air through windows

Awareness & Education

- * Guidance for cleaning and maintenance of doors and windows
- * Provide information to home owner of LEED features
- * Provide information for public awareness of LEED features
- * Provide information to building manager of LEED features

NAHB NATIONAL GREEN BUILDING STANDARD

The NAHB National Green Building Standard is now called the ICC 700-2008 National Green Building Standard, is ANSI (American National Standards Institute) approved, and was written in collaboration with the International Code Council, and is a comprehensive green building rating system. Each category contains multiple credit point standards for a project team to consider during design, construction, and function of the building. The credit points are then compiled in order to achieve one of four levels of certification: Bronze, Silver, Gold or Emerald. Andersen windows and patio doors may assist your project strategy in the following NAHB National Green Building Standard credits:

Site Design & Development

Lot Design, Preparation & Development

Resource Efficiency

- * Windows and doors not requiring paint or stain
- * Flashing details
- * Construction materials recycled off-site
- * Wood-based products from certified forestry
- * Innovative practices

Energy Efficiency

- * Minimum energy requirements (mandatory)
- * Fenestration (mandatory)
- * Better energy requirements - performance path
- * Better fenestration
- * Additional practices - daylighting through roof
- * Additional practices - renewable energy

Water Efficiency

Indoor Environmental Quality

- * Pollutant source control - formaldehyde
- * Pollutant source control - interior architectural coatings
- * Pollutant source control - interior adhesives and sealants

Operation, Maintenance & Building Owner Education

- * Homeowner's binder
- * Building construction manual

Based on ICC 700-2008 National Green Building Standard.

*For projects within 500 mile radius of Bayport, Minnesota.

Limited Warranty



A-SERIES

owner2owner
LIMITED WARRANTY

Twenty (20) Year Transferable Limited Warranty Glass

The glass in Andersen® factory glazed A-Series window and door units (including dual-pane glass, High-Performance Low-E4® glass, High-Performance Low-E4® Sun glass, High-Performance Low-E4® SmartSun glass, High-Performance Low-E4® PassiveSun glass, Low-E glass, patterned glass (including: obscure, pebble, fern, reed and cascade designs), Finelight™ grilles, divided light grilles and tempered versions of these glass options) is warranted to be free from defects in manufacturing, materials and workmanship for twenty (20) years from the date of purchase from the retailer/dealer. It is also warranted not to develop, under normal conditions, any material obstruction of vision resulting from manufacturing defects or as a result of premature failure of the glass or organic seal for twenty (20) years from the date of purchase from the retailer/dealer. Patterned glass (including obscure, pebble, fern, reed and cascade designs) is warranted not to develop, under normal conditions, any material change in appearance resulting from manufacturing defects or as a result of premature failure of the glass or organic seal for twenty (20) years from the date of purchase from the retailer/dealer. This limited warranty on glass does not apply to special order glazings, Andersen® art glass, insulated art glass, impact-resistant glass or glass that is not factory installed by Andersen.

In the event a glass failure occurs as a result of a defect in manufacturing, materials or workmanship within the limited warranty period, Andersen, at its option, will: (1) provide the appropriate replacement glass product to the Andersen retailer/dealer you specify — labor is not included; or (2) provide a factory-authorized repair to the existing glass at no cost to you; or (3) refund the purchase price or the retailer's/dealer's price at the time of the original purchase, whichever is less. Such replacement or repair is warranted for the remainder of the original limited warranty period.

Ten (10) Year Transferable Limited Warranty Components Other Than Glass

Non-glass portions of Andersen® A-Series windows and doors (including non-electric operators, locks, lifts, balance systems, hinges, handles, insect screens, weatherstripping, exterior trim, sash and frame members) are warranted to be free from defects in manufacturing, materials and workmanship for a period of ten (10) years from the date of purchase from the retailer/dealer. This limited warranty does not apply to Andersen electric window operators, retractable insect screens or finishes on bright brass and satin nickel door hardware.

In the event a component other than glass fails as a result of a defect in manufacturing, materials or workmanship within the limited warranty period, Andersen, at its option, will: (1) provide replacement parts to the Andersen retailer/dealer you specify — labor is not included; or (2) provide a factory-authorized repair to the existing component at no cost to you; or (3) refund the original purchase price or retailer's/dealer's price at the time of the original purchase, whichever is less. Such replacement parts or repairs are warranted for the remainder of the original limited warranty period.

Corrosion-Resistant Hardware

Corrosion-resistant hardware (includes lock mechanism for inswing and outswing patio doors and outswing patio door corrosion-resistant hinges) is warranted to be free from mechanical failure due to corrosion caused by an electrolytic chemical reaction involving atmospheric salts, such as what may occur in coastal applications for a period of ten (10) years from the date of purchase from the retailer/dealer.

What is not covered by this corrosion-resistant hardware warranty: any and all aesthetic discoloration or pitting that may occur due to environmental conditions. Minimum maintenance such as cleaning with a mild detergent on a regular basis may be necessary to maintain the original hardware appearance.

Finish on Corrosion-Resistant Hinges

The finish on corrosion-resistant outswing patio door hinges is warranted to be free from defects in manufacturing, materials and workmanship and warranted not to tarnish, peel, pit, flake, discolor or corrode for a period of ten (10) years from the date of purchase from the retailer/dealer.

In the event there is a mechanical failure of the lock mechanism for inswing or outswing patio doors or the interior hinges of an outswing hinged patio door or there is a defect in the finish on corrosion-resistant hinges or the finish on corrosion-resistant hardware within the limited warranty period, Andersen, at its option, will: (1) provide replacement parts to the Andersen retailer/dealer you specify - installation labor is not included; or (2) refund the original purchase price or retailer's/dealer's price at the time of the original purchase, whichever is less. Replacement parts are warranted for the remainder of the limited warranty period.

Transferable Limited Warranty for Exterior Coatings

The coatings and exterior components (frame, sash, panel, window sills, patio door sills, grilles and exterior trim) on casement, awning, double-hung, picture, and transom windows, patio doors (inswing outswing, gliding) and sidelights are warranted not to develop corrosion caused by an electrolytic chemical reaction involving atmospheric salts, such as what may occur in coastal applications, for as long as the product is installed in its original structure.

What is not covered by this exterior coatings warranty: A-Series specialty windows and complementary patio doors; accessories and hardware such as insect screens, coil stock, hinges, handle trim sets and lock components.

In the event there is a defect covered by this limited warranty for exterior coatings within the limited warranty period, Andersen, at its option will: 1) refinish the product — labor is included (the finish will be applied with standard commercial refinishing techniques and may not be the same finish as originally applied to the product), 2) repair the product, 3) provide replacement part(s) or product(s) to the Andersen retailer/dealer you specify — labor is not included or 4) refund the purchase price or the retailer's/dealer's price at the time of the original purchase, whichever is less.

Transferable Limited Warranty for Exterior Color Finish

The color finish on the exterior components (frame, sash, panel, window sills and grilles) on Andersen® A-Series casement, awning, double-hung, picture, transom windows, specialty windows, complementary windows, patio doors (inswing, outswing, gliding and sidelights) and complementary patio doors is warranted not to blister, crack, peel or lose adhesion for a period of twenty (20) years from the date of purchase from the retailer/dealer.

The color finish on the exterior components (frame, sash, panel, window sills and grilles) on Andersen® A-Series casement, awning, double-hung, picture, transom windows, specialty windows, complementary windows, patio doors (inswing, outswing, gliding and sidelights) and complementary patio doors is warranted to be free from manufacturing defects resulting in color fade greater than 5 delta E* (when measured in accordance with ASTM D2244) for a period of ten (10) years from the date of purchase from the retailer/dealer.

What is not covered by this exterior color finish warranty: accessories and hardware, including insect screen frames, patio door sills, hinges, handles, trim sets and lock components, exterior trim profiles, exterior aluminum coil stock and complementary patio door insert panels.

In the event there is a defect covered by this limited warranty for exterior color finish within the limited warranty period, Andersen, at its option, will: 1) refinish the product — labor is included (the finish will be applied with standard commercial refinishing techniques and may not be the same finish as originally applied to the product), 2) repair the product, 3) provide replacement part(s) or product(s) to the Andersen retailer/dealer you specify - labor is not included or 4) refund the purchase price or the retailer's/dealer's price at the time of the original purchase, whichever is less.

*Technical measurement of color fade

Limited Warranty for A-Series Products with Stormwatch® Protection (Glazed with Impact Resistant Glass)

Andersen® A-Series window and door units glazed with impact-resistant glass are warranted to be free from defects in manufacturing, materials and workmanship for ten (10) years from the date of purchase from the retailer/dealer. They are also warranted not to develop, under normal conditions, any material obstruction of vision resulting from manufacturing defects or as a result of premature failure of the glass or organic seal for ten (10) years from the date of purchase from the retailer/dealer. This limited warranty does not apply to special glazings, Andersen art glass, insulated art glass, glass that is not factory installed by Andersen, Andersen electric window operators, retractable insect screens and the finish on bright brass or satin nickel door hardware.

In the event a component fails as a result of a defect in manufacturing, materials or workmanship within the limited warranty period, Andersen, at its option, will: (1) provide replacement parts to the Andersen retailer/dealer you specify — installation labor is not included; or (2) provide a factory authorized repair to the existing component at no cost to you; or (3) refund the original purchase price or retailer's/dealer's price at the time of the original purchase, whichever is less. Such replacement parts or repairs are warranted for the remainder of the original limited warranty period.

General Conditions and Exclusions

The limited warranty set forth in this document is the only express warranty (whether written or oral) applicable to Andersen® A-Series windows and doors, and no one is authorized to modify or expand this limited warranty. All warranty claims must be made during the applicable warranty period.

ALL IMPLIED WARRANTIES INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE APPLICABLE STATUTE OF LIMITATION, BUT IN NO CASE WILL EXTEND BEYOND THE TERM OF THE LIMITED WARRANTIES SET FORTH ABOVE. ANDERSEN EXCLUDES AND WILL NOT PAY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF CONTRACT, TORT OR OTHERWISE, AND ITS LIABILITY WILL IN ALL INSTANCES BE LIMITED TO THE REPAIR, REPLACEMENT OR REFUND OF THE ACTUAL PURCHASE PRICE OF THE DEFECTIVE PRODUCT.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitation of the duration of an implied warranty, so the above limitations or exclusions may not apply to you.

This limited warranty is only applicable in the U.S.A. (i.e. the fifty states and the District of Columbia). This limited warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

What is NOT covered by this limited warranty

Product failure or damage due to improper installation or modification including:

- Adjustments or corrections due to improper installation.
- Failures due to product modifications or glass shading devices (e.g., glass tinting, security systems, improper painting or staining, insulated coverings, etc.).
- Units improperly assembled or improperly mulled by others.
- Failure due to the application of non-Andersen hardware (e.g., locksets, trim sets, hinges, panic hardware, closers, etc.).
- Failure to properly install Andersen hardware and/or exterior trim.

Damage caused by the following:

- Improper installation or use, including use of a non-commercial door as a main entrance or exit door for a building other than a single-family residential unit or re-installing an Andersen window or door after it has been removed from a building and re-sold and/or re-installed in a different building.
- Exposure to conditions beyond published performance specifications.
- Water infiltration other than as a result of a defect in manufacturing, materials or workmanship.
- Condensation.
- Improper maintenance, such as use of brick wash, razor blades, sealants, sanding or improper washing.
- Failing to properly seal the exposed wood portions of a product. This includes, but is not limited to, the exposed wood on all sides of a door panel (e.g., exterior, interior, top, bottom, and both sides), a door frame and wood grilles.
- Chemicals or airborne pollutants.
- Delivery by others. • Accidents. • Acts of God. • Normal wear and tear.

Additional items excluded from this limited warranty:

- Labor to replace sash or door panels, glass or other components.
- Labor and other costs related to the removal and disposal of defective product.
- Labor and materials to paint or stain any repaired or replaced product, component, trim or other carpentry work that may be required.
- Products not manufactured by Andersen.
- The performance of the low-maintenance exterior glass coating on products with High-Performance Low-E4® glass. Performance will vary depending on environmental conditions.
- Slight glass curvature, minor scratches or other imperfections in the glass that do not impair structural integrity or significantly obscure normal vision.
- Rattling of grille bars within an air space.
- Tarnish or corrosion to hardware finishes, except on outswing patio door corrosion-resistant hinges.
- Special glazings. Contact us concerning the limited warranty on special glazings.
- Electric window operators, retractable insect screens and bright brass and satin nickel finishes on door hardware. Contact us or refer to the specific limited warranties for these products.
- Andersen® 400 Series, 200 Series, 100 Series, 400 Series complementary windows and doors, folding patio doors, lift and slide patio doors and entranceways, Andersen® 400 Series windows with Stormwatch® protection and with impact-resistant glass, storm doors, Renewal by Andersen® windows, E-Series/Eagle® windows and doors, Silver Line® windows and doors, American Craftsman® windows and doors and Andersen® art glass and insulated art glass have their own limited warranties and are not covered by this limited warranty.
- Service trips to provide instruction on product use.

How to register your Owner-To-Owner® limited warranty

Andersen offers quick, easy warranty registration on our website. Just go to www.andersenwindows.com/warranty and submit your warranty information online. All warranty information is treated confidentially and will not be sold or traded to any person or organization outside of Andersen and the Andersen Dealer Network.



How to get help

For further information or to make a claim within the applicable limited warranty periods, please contact the Andersen retailer/dealer who supplied you with your Andersen® product. If unavailable or unknown to you, you may contact us at:

Andersen Windows, Inc. / Andersen Service Center
100 Fourth Avenue North
Bayport, MN 55003-1096

You may also contact us using the Service section of our web site at www.andersenwindows.com or reach us by phone at 1-888-888-7020.

You can help us serve you faster by providing the following important information:

- Description of the product such as the exterior color, unit type and size and inside visible glass measurements.
- Glass logo information etched in the inside corner of the glass.
- Description of product concerns.
- Documentation of the purchase date, if available.
- Your name, address (with zip code) where the product is installed and telephone numbers.

If the limited warranty period has expired or for repairs not covered by the limited warranty, many replacement parts are available for purchase. When warranty coverage is unclear, Andersen may charge an inspection fee for any on-site product inspection. If the inspector determines the Andersen® product has a defect covered by this limited warranty, the inspection fee will be waived.

For specific warranty information outside the United States, please contact your local distributor or write to:

Andersen Corporation/International Division
100 Fourth Avenue North
Bayport, MN 55003-1096 USA

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Limited Warranty

400 SERIES
Windows with Stormwatch® Protection

owner2owner
LIMITED WARRANTY

Andersen® 400 Series windows with Stormwatch® protection (High-Performance™ Low-E4® impact-resistant glass, High-Performance™ Low-E4® SmartSun™ impact-resistant glass, High-Performance™ Low-E4® Sun impact-resistant glass and Monolithic impact-resistant glass) are warranted to be free from defects in manufacturing, materials and workmanship for ten (10) years from the date of purchase from the retailer/dealer. They are also warranted not to develop, under normal conditions, any material obstruction of vision resulting from manufacturing defects or as a result of premature failure of the glass or organic seal for ten (10) years from the date of purchase from the retailer/dealer. This limited warranty does not apply to special glazings, Andersen® art glass, glass that is not factory installed by Andersen, Andersen electric window operators, retractable insect screens and the finish on bright brass or satin nickel door hardware.

The glass in Andersen® 400 Series windows with Stormwatch® protection (Performance Grade upgrade with standard High-Performance™ Low-E4® glass) is warranted to be free from defects in manufacturing, materials and workmanship for twenty (20) years from the date of purchase from the retailer/dealer. It is also warranted not to develop, under normal conditions, any material obstruction of vision resulting from manufacturing defects or as a result of premature failure of the glass or organic seal for twenty (20) years from the date of purchase from the retailer/dealer. This limited warranty does not apply to special glazings, Andersen® art glass, glass that is not factory installed by Andersen, Andersen electric window operators, retractable insect screens and the finish on bright brass or satin nickel door hardware.

In the event a component fails as a result of a defect in manufacturing, materials or workmanship within the limited warranty periods specified above, Andersen, at its option, will: (1) provide replacement parts to the Andersen retailer/dealer you specify — installation labor is not included; (2) provide a factory authorized repair to the existing component at no cost to you; or (3) refund the original purchase price or retailer's/dealer's price at the time of the original purchase, whichever is less. Such replacement parts or repairs are warranted for the remainder of the original limited warranty period.

General Conditions and Exclusions

The limited warranty set forth in this document is the only express warranty (whether written or oral) applicable to Andersen® 400 Series windows with Stormwatch® protection and no one is authorized to modify or expand this limited warranty. All warranty claims must be made during the applicable warranty period.

ALL IMPLIED WARRANTIES INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE APPLICABLE STATUTE OF LIMITATION, BUT IN NO CASE WILL EXTEND BEYOND THE TERM OF THE LIMITED WARRANTIES SET FORTH ABOVE. ANDERSEN EXCLUDES AND WILL NOT PAY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF CONTRACT, TORT OR OTHERWISE, AND ITS LIABILITY WILL IN ALL INSTANCES BE LIMITED TO REPAIR OR REPLACEMENT OR REFUND OF THE ACTUAL PURCHASE PRICE OF THE DEFECTIVE PRODUCT.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitation of the duration of an implied warranty, so the above limitations or exclusions may not apply to you. This limited warranty is only applicable in the U.S.A. This limited warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

What is NOT covered by this limited warranty:

Product failure or damage due to improper installation or modification including:

- Adjustments or corrections due to improper installation.
- Failures due to product modifications or application of glass shading devices, glass tinting, or insulated coverings, installation of security systems or improper painting or staining.
- Units improperly assembled or improperly mulled by others.
- Failure due to the application of non-Andersen hardware (e.g., locksets, trim sets, hinges, panic hardware, closers, etc.) or other non-Andersen components or accessories.
- Failure to properly install Andersen hardware and/or exterior trim.
- Installing a storm door over or with a patio door

Damage caused by the following:

- Improper installation or use, including use of a non-commercial door as a main entrance or exit door for a building other than a single-family residential unit or re-installing an Andersen window after it has been removed from a building and re-sold and/or re-installed into a different building.
- Exposure to conditions beyond published performance specifications.
- Water infiltration.
- Condensation.
- Improper maintenance, such as use of brick wash, razor blades, sealants, sanding or improper washing.
- Failing to properly seal the exposed wood portions of a product. This includes, but is not limited to wood grilles.
- Chemicals or airborne pollutants, such as salt or acid rain.

What is NOT covered by this limited warranty, continued:

- Delivery by others.
- Accidents.
- Acts of God.
- Normal wear and tear.

Additional items excluded from this limited warranty:

- Labor to replace sash, glass or other components.
- Labor and other costs related to the removal and disposal of defective product.
- Labor and materials to paint or stain any repaired or replaced product, component, trim or other carpentry work that may be required.
- Products not manufactured by Andersen.
- The performance of the low-maintenance exterior glass coating on products with High-Performance™ Low-E4® glass and High-Performance Low-E4 impact-resistant glass. Performance will vary depending on environmental conditions.
- Slight glass curvature, minor scratches or other imperfections in the glass that do not impair structural integrity or significantly obscure normal vision.
- Rattling of grille bars within an air space.
- Tarnish or corrosion to hardware finishes.
- Stress cracks and broken glass.
- Special glazings. Contact us concerning the limited warranty on special glazings.
- Andersen® art glass, decorative insulated art glass and electric window operators. Contact us or refer to the specific limited warranties for these products.
- Andersen® A-Series, 200 and 400 Series windows and doors without Stormwatch® protection (impact-resistant glass and windows with performance grade upgrade), storm doors, Renewal by Andersen® products, Eagle® windows and doors, Silver Line® windows and doors and American Craftsman® windows and doors have their own limited warranties and are not covered by this limited warranty. For information on warranty coverage for these products, please refer to the specific limited warranties for these products. They are available from your dealer or at www.andersenwindows.com/warranty.
- Service trips to provide instruction on product use.

How to register your limited warranty

Andersen offers quick, easy warranty registration on our website. Just go to www.andersenwindows.com/warranty and submit your warranty information online. By registering, you will expedite any warranty service you may have in the future. In addition, you can receive product information updates, safety notices and special offers regarding new products, as well as information regarding enhancements for the windows and doors you've registered.



All warranty information is treated confidentially and will not be sold or traded to any person or organization outside of Andersen and the Andersen Dealer Network.

How to get help

For further information or to make a claim within this limited warranty period, please contact the Andersen retailer/dealer who supplied you with your Andersen product. If unavailable or unknown to you, you may contact us at:

Andersen Windows, Inc./Andersen Service Center
100 Fourth Avenue North
Bayport, MN 55003-1096

You may also contact us using the Customer Care section of our web site at: www.andersenwindows.com or reach us by phone at 1-888-888-7020.

You can help us serve you faster by collecting and including the following important information:

- Description of the product such as the window type, exterior color, unit size and inside visible glass measurements.
- Glass logo information etched in the inside corner of the glass.
- Description of product concerns.
- Documentation of the purchase date, if available.
- Your name, address (with zip code) where the product is installed and telephone numbers.

If the limited warranty period has expired or for repairs not covered by the limited warranty, many replacement parts are available for purchase. When warranty coverage is unclear, Andersen may charge an inspection fee for any on-site product inspections. If the inspector determines the Andersen product has a defect covered by this limited warranty, the inspection fee will be waived.

For specific warranty information outside the United States, please contact your local distributor or write to:

Andersen Corporation
International Division
100 Fourth Avenue North
Bayport, MN 55003-1096 USA

QUICK REFERENCE CHART

SERIES	PRODUCT	EXTERIOR COLORS											WOOD SPECIES						PAINTED		
	WINDOWS / PATIO DOORS / SPECIALTY	WHITE	CANVAS	SANDTONE	PRAIRIE GRASS	TERRATONE	FOREST GREEN	DOVE GRAY	DARK BRONZE	COCOA BEAN	RED ROCK	BLACK	PINE	OAK	MAPLE	CHERRY	MAHOGANY*	VERTICAL GRAIN DOUGLAS FIR	WHITE	BIRCH BARK	PRIMED
A-Series Windows with Stormwatch® protection	Casement Window	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Awning Window	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Double-Hung Window	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Picture Window	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Venting Transom Window	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Stationary Transom Window	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
400 Series Windows with Stormwatch® protection	Casement Window	•	•	•	•	•	•	•	•	•	•	•	•						•		
	Awning Window	•	•	•	•	•	•	•	•	•	•	•	•						•		
	Double-Hung Window	•	•	•	•	•	•	•	•	•	•	•	•						•		
	Picture Window	•	•	•	•	•	•	•	•	•	•	•	•						•		
	Stationary Transom Window	•	•	•	•	•	•	•	•	•	•	•	•						•		
A-Series Specialty Windows with Stormwatch® protection	Specialty Window	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
400 Series Specialty Windows with Stormwatch® protection	Specialty Window	•	•	•	•	•	•	•	•	•	•	•	•						•		
A-Series Patio Doors with Stormwatch® protection	Frenchwood® Gliding Patio Door	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Frenchwood® Hinged Inswing Patio Door	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Frenchwood® Hinged Outswing Patio Door	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Frenchwood® Patio Door Transom	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Frenchwood® Patio Door Sidelight	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Prefinished Interiors						Hardware Finishes												Glass						
Clear Coat	Honey	Cinnamon	Russet	Mocha	Espresso	Antique Brass	Black	Bright Brass	Brushed Chrome	Distressed Bronze	Distressed Nickel	Gold Dust	Oil Rubbed Bronze	Polished Chrome	Satin Nickel	Stone	White	Low-E4® Impact-Resistant Glass	Low-E4® SmartSun™ Impact-Resistant Glass	Low-E4® Sun Impact-Resistant Glass	Gray Monolithic Impact-Resistant Glass	Clear Monolithic Impact-Resistant Glass		
●	●	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●	●	●				
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●	●	●	●	●	●													●	●	●	●	●	●	
●	●	●	●	●	●													●	●	●	●	●	●	

*Actual wood is Sapele, a non-endangered species of mahogany grown in Africa, with color and characteristics similar to American mahoganies.

**PG upgrade units only on 400 Series double-hung windows.



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25 A-Series Casement & Awning Windows	102 A-Series Frenchwood® Gliding Patio Doors	169 400 Series Tilt-Wash Double-Hung Windows
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55 A-Series Specialty Windows	129 A-Series & 400 Series Exterior Trim	

THE ENVIRONMENT HAS A BUSINESS PARTNER

Respect for the environment is nothing new at Andersen. For more than a century, it's been part of who we are. Our commitment to recycle and reclaim materials began simply because it was good business. Now it's part of our commitment to sustainability and responsible stewardship of all our resources. Andersen is committed to providing you with long-lasting, energy-efficient windows and doors. Visit andersencorporation.com/sustainability for more information.



Andersen Corporation has earned the U.S. Environmental Protection Agency's 2013 ENERGY STAR® Partner of the Year – Sustained Excellence Award. This award recognizes manufacturers for delivering ENERGY STAR® qualified products that help customers reduce energy costs, and for reducing emissions during manufacturing. Visit andersenwindows.com/energystar for more information.



The Window & Door Manufacturers Association (WDMA) Hallmark Certification program includes product testing and quality control process audits to verify that Andersen® windows and doors are produced in conformance with the industry standards for air, water resistance and structural performance.



Andersen has received Forest Stewardship Council (FSC®) Chain of Custody certification. Among the first of its kind in the window and door industry, this certification is awarded by Scientific Certification Systems to companies that meet stringent standards for traceability in their wood supply chain. This helps you gain important USGBC LEED Materials & Resources credits.

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SCS-COC-001337

All FSC certified wood projects are subject to review and approval.



Andersen products are certified under the National Fenestration Rating Council's voluntary third-party certification program designed to ensure accurate energy performance ratings and labeling.



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PDF NAVIGATION TIPS

Welcome to an overview of the enhanced navigation tools available in this PDF. Here are some simple tips on PDF navigation. Before you begin be sure you are using the latest version of Adobe Acrobat Reader DC, available at – <https://get.adobe.com/reader/>

To watch a 3-minute tutorial on navigating catalog PDFs, go to: <https://youtu.be/sWWnYn6ON3Y>

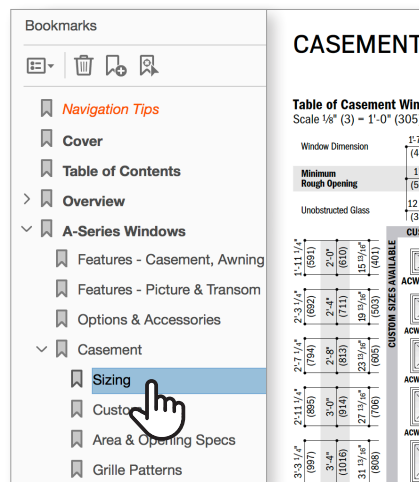
BOOKMARK NAVIGATION

①

Acrobat will display the bookmarks panel when you open the PDF.

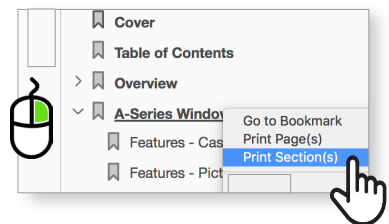
Bookmarks are the easiest way to find specific product information.

Select a topic and that page will be displayed.



②

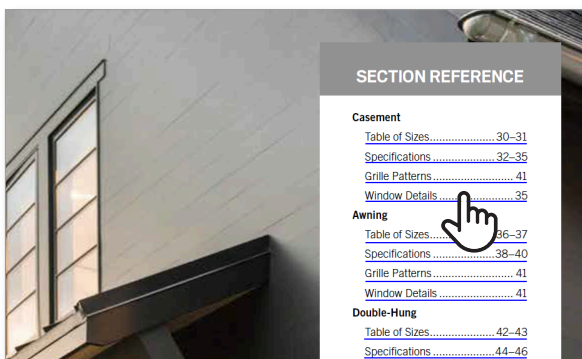
If you need to print a specific section, **right click on that section** within in the bookmarks panel and choose “**Print Section.**”



LINKS AND URL NAVIGATION

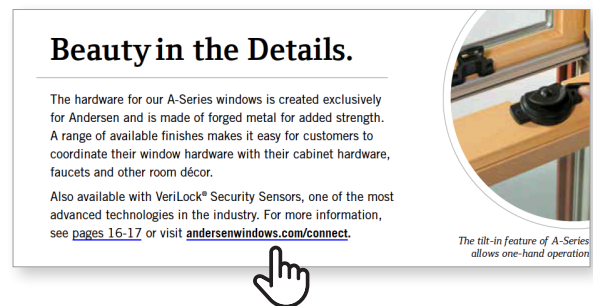
①

You can also use the **embedded links** to navigate between sections. All links are underlined in blue.



②

Website links automatically open in your web browser.



Add additional navigation tools by adjusting the default settings in Acrobat.

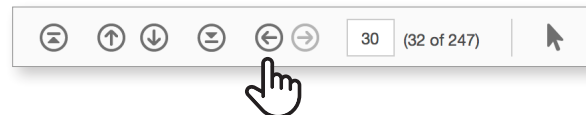
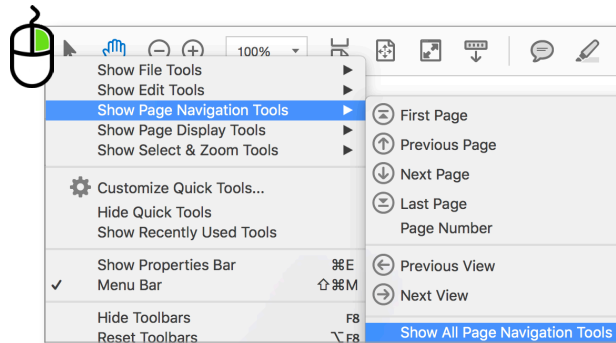


TOOL BAR NAVIGATION

①

To add a **“Jump Back” Button** to your tool bar, **right click on tool bar**, select **Show Page Navigation Tools** and choose **Show All Page Navigation Tools**.

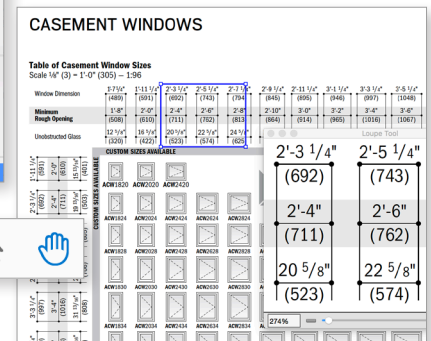
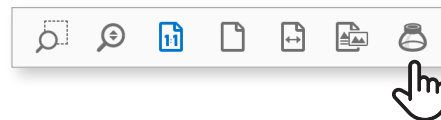
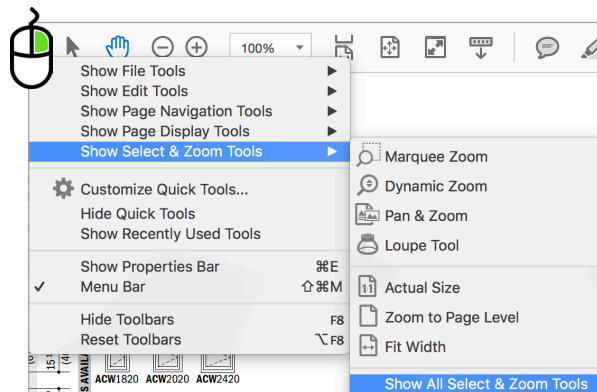
Right and left facing arrows are added to the tool bar allowing you to go back or forward to the last page you viewed.



②

Another helpful tool is the **Loupe Tool**. It allows you to zoom in on the page without having to increase the page size.

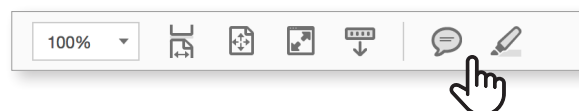
To add a **Loupe Tool** to your tool bar, **right click on tool bar**, select **Show Select & Zoom Tools** and then choose **Show All Select & Zoom Tools**.



③

You can also use the **commenting tools**. Add a post-it-note with your comments or highlight important information.

Be sure to save the file.



To watch a 3-minute tutorial on navigating catalog PDFs, go to: <https://youtu.be/sWWnYn6ON3Y>

We are always looking for ways to improve.
Please send feedback to webmarketing@andersencorp.com.